



CAPITAL IMPROVEMENT PROGRAM (CIP)
PROJECT DETAIL
2016-2020

AS APPROVED
NOVEMBER 30, 2015

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CITY OF NEWARK
Delaware

October 13, 2015

TO: Planning Commission Members

VIA: Maureen Feeney Roser, Planning and Development Director

FROM: Carol S. Houck, City Manager 
Louis C. Vitola, Finance Director 

RE: Submission of the 2016-2020 Capital Improvement Plan



The first draft of the 2016-2020 Capital Improvement Plan (CIP) for the City of Newark is attached for your review in advance of the October 20, 2015 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 2016.

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 note some useful changes on the face of the project detail sheets, which should assist in your review; most notably, we added a field to exhibit 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 20, 2015. In an effort to maximize efficiencies, save money, and "be green," this document is being provided electronically only and will be posted to the City's website for reference. If you prefer a bound copy, please reply and we will construct and deliver a hard copy to you.

Attachments

**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM SUMMARY
2016 -2020**

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

	AMENDED BUDGET 2015	-----2016-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	
ELECTRIC FUND	\$ 1,675,015	\$ 911,419	\$ 1,403,000	\$ 2,314,419	\$ 922,500	\$ 9,976,500	\$ 1,109,000	\$ 477,000	\$ 14,799,419
WATER FUND	4,197,544	1,540,945	2,135,607	3,676,552	4,450,500	5,129,350	2,578,091	2,217,263	18,051,756
SEWER FUND	1,100,000	921,134	301,366	1,222,500	625,000	725,000	750,000	750,000	4,072,500
PUBLIC WORKS-GENERAL FUND	2,158,654	2,569,189	795,733	3,364,922	3,411,550	1,867,807	1,867,916	1,718,524	12,230,719
PUBLIC WORKS-MAINTENANCE FUND	330,000	221,647	128,353	350,000	55,000	-	-	-	405,000
POLICE DEPARTMENT	102,000	214,788	41,177	255,965	399,493	20,960	193,968	331,585	1,201,971
PARKS & RECREATION DEPARTMENT	356,000	342,500	205,000	547,500	1,620,000	1,005,000	1,345,000	195,000	4,712,500
PARKING FUND	360,325	209,078	65,000	274,078	5,979,970	12,063,450	105,000	28,000	18,450,498
INFORMATION TECHNOLOGY DIVISION	243,542	240,000	186,000	426,000	182,000	65,000	65,000	125,000	863,000
OTHER DEPARTMENTS	-	92,630	89,885	182,515	165,000	193,880	-	36,000	577,395
	<u>\$ 10,523,080</u>	<u>\$ 7,263,330</u>	<u>\$ 5,351,121</u>	<u>\$ 12,614,451</u>	<u>\$ 17,811,013</u>	<u>\$ 31,046,947</u>	<u>\$ 8,013,975</u>	<u>\$ 5,878,372</u>	<u>\$ 75,364,758</u>
<u>PLANNED FINANCING SOURCES</u>									
GROSS CAPITAL IMPROVEMENTS	\$ 10,523,080	\$ 7,263,330	\$ 5,351,121	\$ 12,614,451	\$ 17,811,013	\$ 31,046,947	\$ 8,013,975	\$ 5,878,372	\$ 75,364,758
LESS: USE OF RESERVES	(3,214,524)	(3,373,283)	-	(3,373,283)	(198,870)	(32,600)	(36,370)	-	(3,641,123)
VEHICLE & EQUIPMENT REPLACEMENT	(171,500)	(2,315,288)	-	(2,315,288)	(2,483,770)	(639,770)	(632,395)	(1,031,270)	(7,102,493)
GRANTS	(1,275,105)	(1,115,000)	-	(1,115,000)	(777,500)	(545,000)	(545,000)	(545,000)	(3,527,500)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(881,250)	(459,759)	-	(459,759)	(5,500,000)	(17,543,900)	-	-	(23,503,659)
NET CAPITAL IMPROVEMENTS	<u>\$ 4,980,701</u>	<u>\$ -</u>	<u>\$ 5,351,121</u>	<u>\$ 5,351,121</u>	<u>\$ 8,850,873</u>	<u>\$ 12,285,677</u>	<u>\$ 6,800,210</u>	<u>\$ 4,302,102</u>	<u>\$ 37,589,983</u>

CITY OF NEWARK, DELAWARE
SUMMARY OF VEHICLE AND EQUIPMENT REPLACEMENT PROGRAM SCHEDULE
CAPITAL PROGRAM YEARS 2016 - 2020

VEHICLES BY DEPT/DIVISION	REPLACEMENT COSTS					
	2016	2017	2018	2019	2020	TOTAL
ELECTRIC	\$ 360,000	\$ 188,500	\$ 351,500	\$ 234,000	\$ 302,000	\$ 1,436,000
WATER	275,000	540,000	-	20,000	210,000	1,045,000
PUBLIC WORKS - REFUSE	1,078,000	436,000	-	175,125	-	1,689,125
PUBLIC WORKS - STREETS	330,000	400,000	175,000	-	-	905,000
PUBLIC WORKS - ENGINEERING	-	87,000	-	-	-	87,000
PUBLIC WORKS - MAINTENANCE	-	25,000	-	-	-	25,000
POLICE	176,500	376,000	-	160,000	300,000	1,012,500
PARKS	30,000	270,000	-	25,000	20,000	345,000
PARKING	27,500	46,000	-	-	28,000	101,500
OTHER DEPARTMENTS	-	97,000	95,000	-	36,000	228,000
SUB-TOTAL FOR VEHICLES	\$ 2,277,000	\$ 2,465,500	\$ 621,500	\$ 614,125	\$ 896,000	\$ 6,874,125
<u>EQUIPMENT BY DEPT/DIVISION</u>						
POLICE	38,288	18,270	18,270	18,270	18,270	111,368
OTHER DEPARTMENTS-IT	-	-	-	-	117,000	117,000
SUB-TOTAL FOR EQUIPMENT	\$ 38,288	\$ 18,270	\$ 18,270	\$ 18,270	\$ 135,270	\$ 228,368
TOTAL REPLACEMENT PROGRAM	<u>\$ 2,315,288</u>	<u>\$ 2,483,770</u>	<u>\$ 639,770</u>	<u>\$ 632,395</u>	<u>\$ 1,031,270</u>	<u>\$ 7,102,493</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
FIVE YEAR PROPOSED SUMMARY BY FUND - GOVERNMENTAL FUNDS (with current year amended budget)

	AMENDED BUDGET 2015	-----2016-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	
COMMUNITY DEVELOPMENT FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 45,000	\$ 30,000	\$ -	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	(45,000)	(30,000)	-	(30,000)	(30,000)	(30,000)	(30,000)	(30,000)	(150,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
LAW ENFORCEMENT FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
PARKS SPECIAL REVENUE FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
CAPITAL PROJECTS FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 2,815,196	\$ 3,459,107	\$ 1,317,795	\$ 4,746,902	\$ 5,748,043	\$ 3,122,647	\$ 3,441,884	\$ 2,376,109	\$ 19,435,585
LESS: USE OF RESERVES	(463,159)	(741,319)	-	(741,319)	(14,400)	-	-	-	(755,719)
VEHICLE & EQUIPMENT REPLACEMENT	(136,500)	(1,652,788)	-	(1,652,788)	(1,684,270)	(288,270)	(378,395)	(491,270)	(4,494,993)
GRANTS	(780,105)	(1,065,000)	-	(1,035,000)	(747,500)	(515,000)	(515,000)	(515,000)	(3,327,500)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 1,435,432</u>	<u>\$ -</u>	<u>\$ 1,317,795</u>	<u>\$ 1,317,795</u>	<u>\$ 3,301,873</u>	<u>\$ 2,319,377</u>	<u>\$ 2,548,489</u>	<u>\$ 1,369,839</u>	<u>\$ 10,857,373</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
FIVE YEAR PROPOSED SUMMARY BY FUND - ENTERPRISE FUNDS (with current year amended budget)

	AMENDED BUDGET 2015	-----2016-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	
ELECTRIC UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 1,675,015	\$ 911,419	\$ 1,403,000	\$ 2,314,419	\$ 922,500	\$ 9,976,500	\$ 1,109,000	\$ 477,000	\$ 14,799,419
LESS: USE OF RESERVES	(121,185)	(91,660)	-	(91,660)	(115,500)	-	-	-	(207,160)
VEHICLE & EQUIPMENT REPLACEMENT	-	(360,000)	-	(360,000)	(188,500)	(351,500)	(234,000)	(302,000)	(1,436,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(881,250)	(459,759)	-	(459,759)	-	(8,900,000)	-	-	(9,359,759)
NET CAPITAL IMPROVEMENTS	<u>\$ 672,580</u>	<u>\$ -</u>	<u>\$ 1,403,000</u>	<u>\$ 1,403,000</u>	<u>\$ 618,500</u>	<u>\$ 725,000</u>	<u>\$ 875,000</u>	<u>\$ 175,000</u>	<u>\$ 3,796,500</u>
WATER UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 4,197,544	\$ 1,540,945	\$ 2,135,607	\$ 3,676,552	\$ 4,450,500	\$ 5,129,350	\$ 2,578,091	\$ 2,217,263	\$ 18,051,756
LESS: USE OF RESERVES	(2,072,179)	(1,265,945)	-	(1,265,945)	-	-	-	-	(1,265,945)
VEHICLE & EQUIPMENT REPLACEMENT	-	(275,000)	-	(275,000)	(540,000)	-	(20,000)	(210,000)	(1,045,000)
GRANTS	(300,000)	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER (STORM WATER FEE)	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 1,825,365</u>	<u>\$ -</u>	<u>\$ 2,135,607</u>	<u>\$ 2,135,607</u>	<u>\$ 3,910,500</u>	<u>\$ 5,129,350</u>	<u>\$ 2,558,091</u>	<u>\$ 2,007,263</u>	<u>\$ 15,740,811</u>
SEWER UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 1,100,000	\$ 921,134	\$ 301,366	\$ 1,222,500	\$ 625,000	\$ 725,000	\$ 750,000	\$ 750,000	\$ 4,072,500
LESS: USE OF RESERVES	(392,751)	(871,134)	-	(871,134)	-	-	-	-	(871,134)
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	(150,000)	(50,000)	-	(50,000)	-	-	-	-	(50,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 557,249</u>	<u>\$ -</u>	<u>\$ 301,366</u>	<u>\$ 301,366</u>	<u>\$ 625,000</u>	<u>\$ 725,000</u>	<u>\$ 750,000</u>	<u>\$ 750,000</u>	<u>\$ 3,151,366</u>
PARKING FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 360,325	\$ 209,078	\$ 65,000	\$ 274,078	\$ 5,979,970	\$ 12,063,450	\$ 105,000	\$ 28,000	\$ 18,450,498
LESS: USE OF RESERVES	(165,250)	(181,578)	-	(181,578)	(68,970)	(32,600)	(36,370)	-	(319,518)
VEHICLE & EQUIPMENT REPLACEMENT	-	(27,500)	-	(27,500)	(46,000)	-	-	(28,000)	(101,500)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	(5,500,000)	(8,643,900)	-	-	(14,143,900)
NET CAPITAL IMPROVEMENTS	<u>\$ 195,075</u>	<u>\$ -</u>	<u>\$ 65,000</u>	<u>\$ 65,000</u>	<u>\$ 365,000</u>	<u>\$ 3,386,950</u>	<u>\$ 68,630</u>	<u>\$ -</u>	<u>\$ 3,885,580</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
FIVE YEAR PROPOSED SUMMARY BY FUND - OTHER FUNDS (with current year amended budget)

	AMENDED BUDGET 2015	-----2016-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	
MAINTENANCE FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 330,000	\$ 221,647	\$ 128,353	\$ 350,000	\$ 55,000	\$ -	\$ -	\$ -	\$ 405,000
LESS: USE OF RESERVES	-	(221,647)	-	(221,647)	-	-	-	-	(221,647)
VEHICLE & EQUIPMENT REPLACEMENT	(35,000)	-	-	-	(25,000)	-	-	-	(25,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 295,000</u>	<u>\$ -</u>	<u>\$ 128,353</u>	<u>\$ 128,353</u>	<u>\$ 30,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 158,353</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
FIVE YEAR SUMMARY BY FUND - TOTAL OF ALL FUNDS (with current year amended budget)

	AMENDED BUDGET 2015	-----2016-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	
TOTAL CAPITAL IMPROVEMENTS:									
GROSS CAPITAL IMPROVEMENTS	\$ 10,523,080	\$ 7,293,330	\$ 5,351,121	\$ 12,614,451	\$ 17,811,013	\$ 31,046,947	\$ 8,013,975	\$ 5,878,372	\$ 75,364,758
LESS: USE OF RESERVES	(3,214,524)	(3,373,283)	-	(3,373,283)	(198,870)	(32,600)	(36,370)	-	(3,641,123)
VEHICLE & EQUIPMENT REPLACEMENT	(171,500)	(2,315,288)	-	(2,315,288)	(2,483,770)	(639,770)	(632,395)	(1,031,270)	(7,102,493)
GRANTS	(1,275,105)	(1,145,000)	-	(1,115,000)	(777,500)	(545,000)	(545,000)	(545,000)	(3,527,500)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(881,250)	(459,759)	-	(459,759)	(5,500,000)	(17,543,900)	-	-	(23,503,659)
NET CAPITAL IMPROVEMENTS	<u>\$ 4,980,701</u>	<u>\$ -</u>	<u>\$ 5,351,121</u>	<u>\$ 5,351,121</u>	<u>\$ 8,850,873</u>	<u>\$ 12,285,677</u>	<u>\$ 6,800,210</u>	<u>\$ 4,302,102</u>	<u>\$ 37,589,983</u>

**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM SUMMARY BY FUNCTION
FOR THE FISCAL YEAR 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	-	22,000	-	-	-	-	-	22,000
GENERAL GOV'T-ADMINISTRATIVE IT DIVISION	-	426,000	-	-	-	-	-	426,000
GENERAL GOV'T-LEGISLATIVE DEPARTMENT	-	-	-	-	-	-	-	-
PUBLIC SAFETY-CODE ENFORCEMENT DIVISION	-	160,515	-	-	-	-	-	160,515
PUBLIC SAFETY-POLICE DEPARTMENT	-	255,965	-	-	-	-	-	255,965
PUBLIC WORKS-REFUSE DIVISION	-	1,103,000	-	-	-	-	-	1,103,000
PUBLIC WORKS-ENGINEERING DIVISION	-	-	-	-	-	-	-	-
CULTURE & RECREATION-PARKS DEPARTMENT	-	547,500	-	-	-	-	-	547,500
PUBLIC WORKS-STREET DIVISION	30,000	2,231,922	-	-	-	-	-	2,261,922
ELECTRIC DEPARTMENT	-	-	2,314,419	-	-	-	-	2,314,419
WATER DEPARTMENT	-	-	-	3,676,552	-	-	-	3,676,552
WASTEWATER DEPARTMENT	-	-	-	-	1,222,500	-	-	1,222,500
PARKING DIVISION	-	-	-	-	-	274,078	-	274,078
PUBLIC WORKS-MAINTENANCE DIVISION	-	-	-	-	-	-	350,000	350,000
	<u>\$ 30,000</u>	<u>\$ 4,746,902</u>	<u>\$ 2,314,419</u>	<u>\$ 3,676,552</u>	<u>\$ 1,222,500</u>	<u>\$ 274,078</u>	<u>\$ 350,000</u>	<u>\$ 12,614,451</u>

PLANNED FINANCING SOURCES

GROSS CAPITAL IMPROVEMENTS	\$ 30,000	\$ 4,746,902	\$ 2,314,419	\$ 3,676,552	\$ 1,222,500	\$ 274,078	\$ 350,000	\$ 12,614,451
LESS: USE OF RESERVES	-	(741,319)	(91,660)	(1,265,945)	(871,134)	(181,578)	(221,647)	(3,373,283)
VEHICLE & EQUIPMENT REPLACEMENT	-	(1,652,788)	(360,000)	(275,000)	-	(27,500)	-	(2,315,288)
GRANTS	(30,000)	(1,035,000)	-	-	(50,000)	-	-	(1,115,000)
BOND ISSUES	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	(459,759)	-	-	-	-	(459,759)
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ 1,317,795</u>	<u>\$ 1,403,000</u>	<u>\$ 2,135,607</u>	<u>\$ 301,366</u>	<u>\$ 65,000</u>	<u>\$ 128,353</u>	<u>\$ 5,351,121</u>

**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
ELECTRIC FUND**

	2015 BUDGET	-----2016-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	TOTAL
E1601 New Lines & Services	\$125,000	\$0	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$625,000
E1602 Circuit Breaker Replacement	0	0	0	0	65,000	0	0	0	65,000
E1502 Star Campus Underground Distribution	0	0	0	0	0	600,000	700,000	0	1,300,000
E1503 Star Campus Substation	300,000	0	0	0	0	8,900,000	0	0	8,900,000
E1504 LED Streetlight Installation	581,250	459,759	0	459,759	0	0	0	0	459,759
E1402 12 KV Line Extension	42,765	42,765	0	42,765	0	0	0	0	42,765
E1403 Conductor Upgrades	0	0	190,000	190,000	0	0	0	0	190,000
E1203 CAD Software	0	0	0	0	135,000	0	0	0	135,000
E1104 Spacer Cable Replacement	0	0	0	0	0	0	50,000	50,000	100,000
E1105 New Transformers & Circuit Breakers	560,000	0	606,000	606,000	0	0	0	0	606,000
E0903 12KV Changeover	0	29,895	0	29,895	43,000	0	0	0	72,895
E0503 SCADA & Automatic Switching	66,000	19,000	482,000	501,000	366,000	0	0	0	867,000
EEQSF Vehicle Replacement Program	0	360,000	0	360,000	188,500	351,500	234,000	302,000	1,436,000
Total Electric	\$1,675,015	\$911,419	\$1,403,000	\$2,314,419	\$922,500	\$9,976,500	\$1,109,000	\$477,000	\$14,799,419
GROSS CAPITAL IMPROVEMENTS	\$1,675,015	\$911,419	\$1,403,000	\$2,314,419	\$922,500	\$9,976,500	\$1,109,000	\$477,000	\$14,799,419
LESS: USE OF RESERVES	(121,185)	(91,660)	0	(91,660)	(115,500)	0	0	0	(207,160)
VEHICLE & EQUIPMENT REPLACEMENT	0	(360,000)	0	(360,000)	(188,500)	(351,500)	(234,000)	(302,000)	(1,436,000)
GRANTS	0	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	(881,250)	(459,759)	0	(459,759)	0	(8,900,000)	0	0	(9,359,759)
NET CAPITAL IMPROVEMENTS	\$672,580	\$0	\$1,403,000	\$1,403,000	\$618,500	\$725,000	\$875,000	\$175,000	\$3,796,500

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC	DIVISION:	
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
E1601	NEW LINES AND SERVICES	VARIOUS LOCATIONS IN THE CITY	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

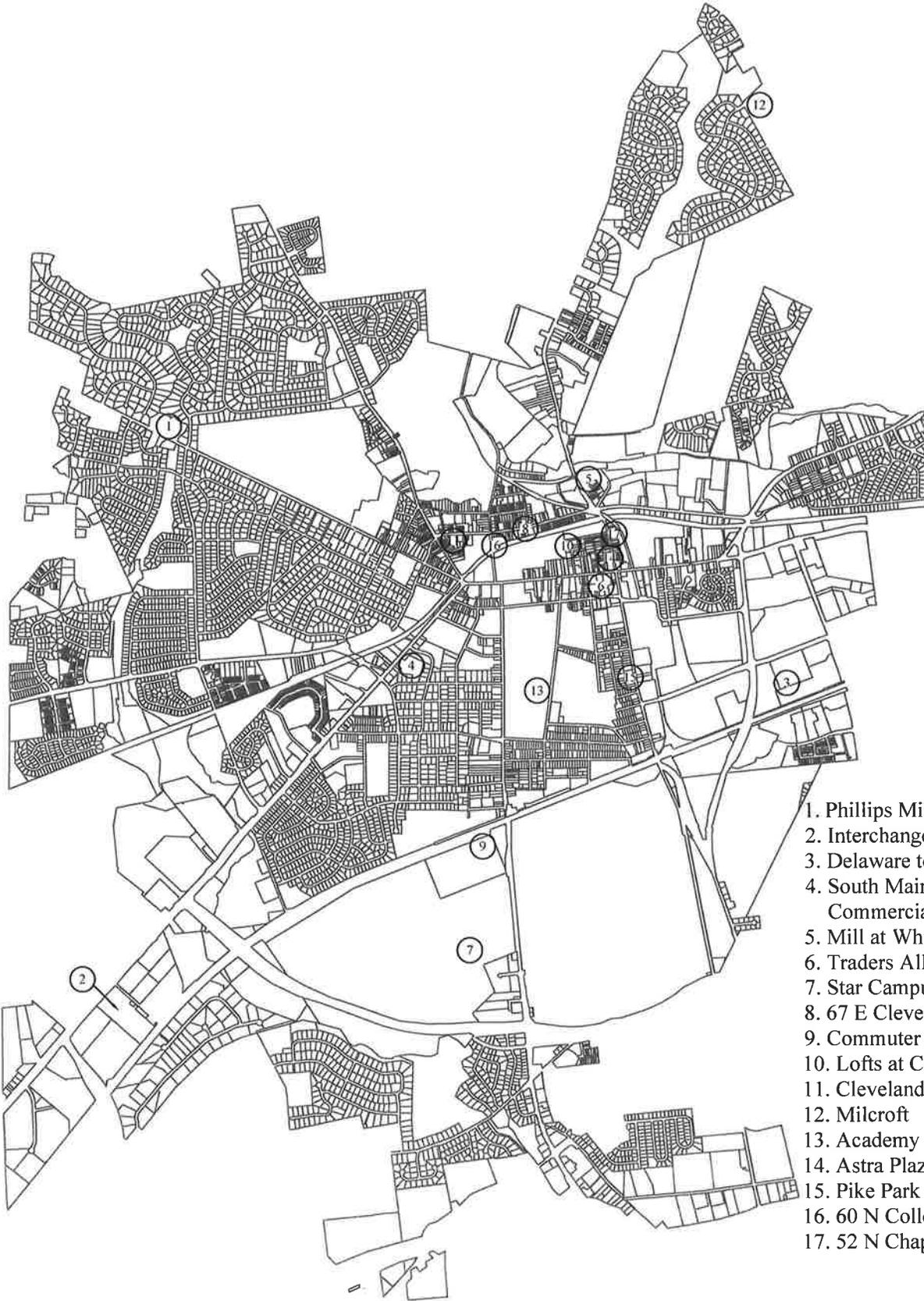
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 INSTALLATION OF ELECTRIC DISTRIBUTION LINES IN NEW DEVELOPMENTS. THIS INCLUDES BOTH OVERHEAD AND UNDERGROUND PRIMARY AND SECONDARY SERVICE LINES. THIS PROJECT IS REQUIRED BASED ON THE OBLIGATION TO SERVE NEW CUSTOMERS IN THE CITY.

§ 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) ¹		Total Project Cost		\$ 625,000
Balance to be funded ¹	625,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		125,000	125,000	125,000	125,000	125,000	625,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	125,000	125,000	125,000	125,000	125,000	625,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	N/A	-



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. 67 E Cleveland Ave.
9. Commuter Rail Station
10. Lofts at Center Street
11. Cleveland Station
12. Milcroft
13. Academy St. Dorms
14. Astra Plaza
15. Pike Park
16. 60 N College
17. 52 N Chapel

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E1602	PROJECT TITLE: CIRCUIT BREAKER REPLACEMENT	PROJECT LOCATION: FREMONT ROAD SUBSTATION	
PROJECT STATUS (CHECK ONE): <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	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 THE 35KV OIL CIRCUIT BREAKER INSTALLED IN 1975 FEEDING TRANSFORMER 47 AT 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	2017	Labor	5195106.9830	\$ 10,000
Est. Useful Life (in years)	30 yrs.	Materials	5195106.9730	\$ 40,000
Est. Total Cost	65,000	Other Contracts	5195106.9730	\$ 15,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 65,000
Balance to be funded ¹	65,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			65,000				65,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	65,000	-	-	-	65,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC	DIVISION:	
PROJECT NO: E1502	PROJECT TITLE: STAR CAMPUS UNDERGROUND	PROJECT LOCATION: UD STAR CAMPUS	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" 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>Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:</p> <p>UNDERGROUND ELECTRICAL DISTRIBUTION EQUIPMENT NEEDED FOR THE STAR CAMPUS.</p> <p>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.</p>			

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2019	Labor	5195106.9860	\$ 50,000
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760	\$ 1,250,000
Est. Total Cost	1,300,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 1,300,000
Balance to be funded ¹	1,300,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES				600,000	700,000		1,300,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	600,000	700,000	-	1,300,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)			N/A	N/A	N/A	-



-  MANHOLE
-  PAD MOUNT SWITCH
-  UTILITY POLE



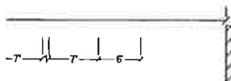
LEGEND:

INSTALLED

-  WATER L
-  GAS LINE
-  SANITARY
-  STORM S
-  TELE/DA

PROPOSED

-  WATER L
-  GAS LINE
-  SANITARY
-  STORM S
-  TELE/DA



CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC	DIVISION:
PROJECT NO: E1503	PROJECT TITLE: STAR CAMPUS SUBSTATION	PROJECT LOCATION: UD STAR CAMPUS
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" 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		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

A NEW SUBSTATION IS PROPOSED ON THE STAR CAMPUS IN ORDER TO SUPPLY ABUNDANT AND RELIABLE ELECTRIC SERVICE TO THE SITE. THE CITY'S EXISTING 12,470 VOLT DISTRIBUTION SYSTEM DOES NOT HAVE EXCESS CAPACITY TO FEED THE ANTICIPATED LOADS. THE UNIVERSITY HAS OFFERED A THREE (3) ACRE SITE FOR THE SUBSTATION AND IS WILLING TO INSTALL THE NECESSARY CONDUIT AND MANHOLE SYSTEM FOR FIVE (5) OUT-GOING FEEDERS TO THE CITY'S SUBTRANSMISSION SYSTEM AND THE TWO (2) SITE DISTRIBUTION CIRCUITS. THE 138KV TO 34KV SUBSTATION WILL SUPPLY FIVE (5) EXISTING 34KV TO 12KV SUBSTATIONS AND INCREASE RELIABILITY ON THE SOUTHERN SIDE OF THE CITY. NOT ONLY WOULD IT SERVE THE STAR CAMPUS, IT WOULD ALSO SERVE LARGE CUSTOMERS, SUCH AS DOW CHEMICAL, GE COMPOSITES, DUPONT AND THE DELAWARE TECHNOLOGY PARK. CURRENTLY, THE ENTIRE CITY IS SERVED BY ONE POINT OF DELIVERY AT THE KERSHAW SUBSTATION. A SECOND POINT OF DELIVERY WOULD GIVE MUCH NEEDED REDUNDANCY IN CASE OF A MAJOR PROBLEM OR A CATASTROPHE AT KERSHAW SUBSTATION. IT WOULD ALSO FREE UP CAPACITY ON THE EXISTING 34.5KV CIRCUITS AND ALLOW FOR INTELLIGENT AUTO RESTORATION OF THE 34KV TO 12KV SUBSTATIONS BETWEEN THE TWO (2) POINTS OF DELIVERY.

THE PRIORITY LEVEL IS ASSIGNED AS MEDIUM-HIGH, BUT THIS PROJECT IS NOT NECESSARILY "BEING DEFERRED;" IT IS SIMPLY NOT ABLE TO BE UNDERTAKEN UNTIL LATER IN THE FIVE-YEAR PLAN.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2019	Labor	5195106.9830	\$ 2,210,000
Est. Useful Life (in years)	40 YRS.	Materials	5195106.9730	\$ 6,390,000
Est. Total Cost	8,900,000	Other Contracts	5195106.9730	\$ 300,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 8,900,000
Balance to be funded ¹	8,900,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (DEMEC PARTICIPATION)	300,000			8,600,000			8,900,000
TOTAL	300,000	-	-	8,600,000	-	-	8,900,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)			N/A	N/A	N/A	-

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

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E1504	PROJECT TITLE: LED STREETLIGHT INSTALLATION		PROJECT LOCATION: VARIOUS THROUGHOUT THE CITY
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

ALL DEMEC COMMUNITIES ARE WORKING TOGETHER ON A LARGE SCALE LED STREETLIGHT INSTALLATION PROJECT. ALL COMMUNITIES SOUTH OF THE C & D CANAL RECEIVED 80% OF THE FUNDING REQUIRED TO UNDERTAKE THE ENERGY EFFICIENCY PROJECT THROUGH THE USDA IN THE FORM OF A 0% INTEREST LOAN. THE REMAINING 20% NOT FUNDED BY THE USDA, PLUS THE COST OF THE LED INSTALLATION IN NEWARK AND NEW CASTLE, ARE ANTICIPATED TO BE FUNDED WITH LOW-INTEREST LEASE FINANCING GRANTED BY THE DELAWARE SUSTAINABLE ENERGY UTILITY (SEU). MORE INFORMATION ABOUT THE SEU CAN BE FOUND AT: <http://www.energizeddelaware.org/Sustainable-Energy>. COMMENTS FROM THE CITY'S CONSERVATION ADVISORY COMMISSION INDICATE SUPPORT FOR SUCH A PROJECT USING COMMUNITY-WIDE GREEN ENERGY FUNDING, AND WE PLAN TO DISCUSS THIS PROJECT IN GREATER DETAIL WITH THE CAC BEFORE IMPLEMENTATION. WE EXPECT TO REPLACE ABOUT 2,000 COBRAHEAD STREETLIGHTS (ON WOODENT UTILITY POLES ONLY) AT A COST CURRENTLY ESTIMATED AT AN AVERAGE OF \$232 PER LIGHT. THE ELECTRIC DEPARTMENT WILL AVOID ALMOST ALL OF THE COST OF INSTALLATION BY BRINGING AS MUCH OF THE INSTALLATION IN HOUSE AS POSSIBLE, WHICH REDUCED THE TOTAL COST OF THE PROJECT. DEMEC COMPETIVELY BID THE PROGRAM ON BEHALF OF ALL MUNICIPALITIES TO REDUCE THE PER-LIGHT COST FROM INITIAL ESTIMATES NEAR \$775 DOWN TO THE CURRENT ESTIMATE OF \$232. FINAL LIGHT COUNTS AND COSTS PER LIGHT, AS WELL AS A PAYBACK/NET PRESENT VALUE (NPV) ANALYSIS WILL BE PROVIDED WHEN AVAILABLE TO THE CONSERVATION ADVISORY COMMISSION AND COUNCIL. PRELIMINARY FIGURES SHOW A POSITIVE NPV FOR THE PROJECT AND A ±5 YEAR PAYBACK.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	20 YRS.	Materials	5195106.9760	\$ 459,759
Est. Total Cost	459,759	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 459,759
Balance to be funded ¹	459,759	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (DELAWARE SEU LEASE)	459,759						459,759
OTHER (Specify)							-
TOTAL	459,759	-	-	-	-	-	459,759

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(400,000)

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC DEPARTMENT	DIVISION:	
PROJECT NO: E1402	PROJECT TITLE: 12KV LINE EXTENSION	PROJECT LOCATION: SOUTH MAIN STREET AND WEST MAIN STREET	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 DUE TO LOAD GROWTH ON SOUTH MAIN STREET FROM MAIN STREET TO APPLE ROAD, A NEW 12KV LINE EXTENSION IS NEEDED FROM THE WEST MAIN STREET SUBSTATION. WORK INCLUDES A NEW AERIAL RAILROAD CROSSING AND POLE REARRANGEMENTS INSIDE THE SUBSTATION.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor	5195106.9860	\$ 20,000
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760	\$ 12,765
Est. Total Cost	50,000	Other Contracts	5195106.9760	\$ 10,000
Est. Spend @ 12/31 (if underway) ¹	7,235	Total Project Cost		\$ 42,765
Balance to be funded ¹	42,765	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	10%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	42,765						42,765
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	42,765	-	-	-	-	-	42,765

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	-

**REPLACE UTILITY
POLES
AND RUN NEW
AERIAL WIRES**

**NEW R/R CROSSING
REPLACE UTILITY
POLES
AND RUN NEW
AERIAL WIRES**

E1402

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC	DIVISION:	
PROJECT NO: E1403	PROJECT TITLE: CONDUCTOR UPGRADE	PROJECT LOCATION: WEST MAIN STREET	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

IT IS PROPOSED TO UPGRADE UNDERSIZED CONDUCTORS AND REPLACE INSULATORS ON WEST MAIN STREET FROM SOUTH MAIN STREET TO BENT LANE. THE EXISTING CONDUCTORS ARE TOO SMALL. THIS IS A PRECURSOR TO FUTURE VOLTAGE UPGRADES. THE GOAL IS TO COMPLETELY ELIMINATE 4KV CIRCUITS FROM THE CITY'S SYSTEM (EVERYTHING NEW IS 12KV). A TOTAL OF 18MW OF 4KV INFRASTRUCTURE EXISTED 18 YEARS AGO. THAT NUMBER HAS BEEN REDUCED TO 5MW THROUGH 2015, AND EFFORTS CONTINUE TO REPLACE THE 4KV LINES. IN 2016, WE ANTICIPATE REDUCING 1MW OF 4KV CIRCUITS. CONVERSIONS TO 12KV CIRCUITS WILL MITIGATE LINE LOSSES RESULTING IN ENERGY SAVINGS.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760	\$ 45,000
Est. Total Cost	190,000	Other Contracts	5195106.9760	\$ 145,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 190,000
Balance to be funded ¹	190,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		190,000					190,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	190,000	-	-	-	-	190,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	N/A	-

E1403

UPGRADE CONDUCTORS

NOTTINGHAM RD.

W MAIN ST.

BENT LANE

OLD OAK ROAD

HILLSIDE ROAD

W MAIN ST.

SOUTH MAIN ST.

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:
PROJECT NO: E1203	PROJECT TITLE: CAD SOFTWARE	PROJECT LOCATION: N/A
PROJECT STATUS (CHECK ONE): <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: Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THIS SOFTWARE IS NEEDED TO MODEL THE CITY'S ELECTRIC DISTRIBUTION SYSTEM. THIS SOFTWARE HAS ENGINEERING MODULES TO ASSIST IN FAULT CALCULATIONS, VOLTAGE DROP CALCULATIONS, COORDINATION STUDIES AND FEEDER OPTIMIZATION. SOFTWARE - \$70,000, DATABASE CONVERSION - \$65,000, TOTAL = \$135,000.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	15 YRS.	Materials	5195106.9622	\$ 135,000
Est. Total Cost	135,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 135,000
Balance to be funded ¹	135,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			19,500				19,500
CAPITAL RESERVES	115,500						115,500
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	115,500	-	19,500	-	-	-	135,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC	DIVISION:	
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
E1104	SPACER CABLE REPLACEMENT	VARIOUS	
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: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THE COVERING ON EXISTING AERIAL SPACER CABLES AT VARIOUS LOCATIONS IS CRACKING AND BECOMING BRITTLE CAUSING RELIABILITY ISSUES. THE WORST OF THE CABLES WERE REMEDIATED IN PRIOR YEARS, LEAVING THE LESS CRITICAL OF THE CABLES TO BE DONE IN THE OUT YEARS OF THE CIP PROGRAM.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2020	Labor	5195106.9860	\$ 45,000
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760	\$ 55,000
Est. Total Cost	100,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 100,000
Balance to be funded ¹	100,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES					50,000	50,000	100,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	-	50,000	50,000	100,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)				N/A	N/A	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:
PROJECT NO: E1105	PROJECT TITLE: UPGRADE SUBSTATION TRANSFORMERS AND CIRCUIT BREAKERS	PROJECT LOCATION: PHILLIPS SUBSTATION, EAST MAIN SUBSTATION, WEST MAIN STREET AND VARIOUS STREETS
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS		
PRIORITY: 1 - Highest Priority Level Project underway and must be completed		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

DUE TO THE LOAD INCREASE ON CLEVELAND AVE, WHICH CONSUMED MOST OF THE CITY'S BACK-UP CAPACITY BETWEEN WEST MAIN STREET SUBSTATION TRANSFORMER 76 AND EAST MAIN STREET SUBSTATION TRANSFORMER 80, A NEW SUBSTATION TRANSFORMER IS REQUIRED AT THE WEST MAIN STREET SUBSTATION. THIS WILL ALLOW THE LOAD TO BE SPLIT ON CIRCUIT 80-1 WHICH FEEDS CLEVELAND AVENUE AT PAPER MILL ROAD. APPROXIMATELY 1000KW OF 4KV LOAD WILL BE UPGRADED TO 12.47KV ON WEST MAIN STREET AND IN NOTTINGHAM GREEN.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor	5195106.9830	\$ 100,000
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9730	\$ 457,000
Est. Total Cost	2,146,000	Other Contracts	5195106.9730	\$ 49,000
Est. Spend @ 12/31 (if underway) ¹	1,540,000	Total Project Cost		\$ 606,000
Balance to be funded ¹	606,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	72%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		606,000					606,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	606,000	-	-	-	-	606,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		(12,000)	(12,000)	(12,000)	(12,000)	(48,000)	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0903	PROJECT TITLE: 12KV CHANGEOVER	PROJECT LOCATION: VARIOUS	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

UPGRADE SEVERAL AREAS TO 12.47KV FROM 4.16KV BY UPGRADING VOLTAGE, FUTURE PURCHASE OF 4.16KV TRANSFORMERS WILL BE AVOIDED AND LOSSES WILL BE REDUCED. 2016 - NOTTINGHAM GREEN, COUNTRY CLUB AND THE FIRST PRESBYTERIAN CHURCH. 2017 - REPLACE EXISTING 4KV TRANSFORMERS ON MAIN STREET, ACADEMY STREET, WEST PARK PLACE, DALLAS AVENUE AND RITTER LANE TO PREPARE FOR FUTURE VOLTAGE UPGRADES.

THE \$29,895 IN PRIOR / RESERVE FUNDING WILL BE USED IN 2016; THE PROJECT WILL BE COMPLETED IN 2017 WITH THE BALANNCE OF PROJECT FUNDING.

§ 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	\$ 36,895
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760	\$ 24,000
Est. Total Cost	173,000	Other Contracts	5195106.9760	\$ 12,000
Est. Spend @ 12/31 (if underway) ¹	100,105	Total Project Cost		\$ 72,895
Balance to be funded ¹	72,895	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	42%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			43,000				43,000
CAPITAL RESERVES	29,895						29,895
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	29,895	-	43,000	-	-	-	72,895

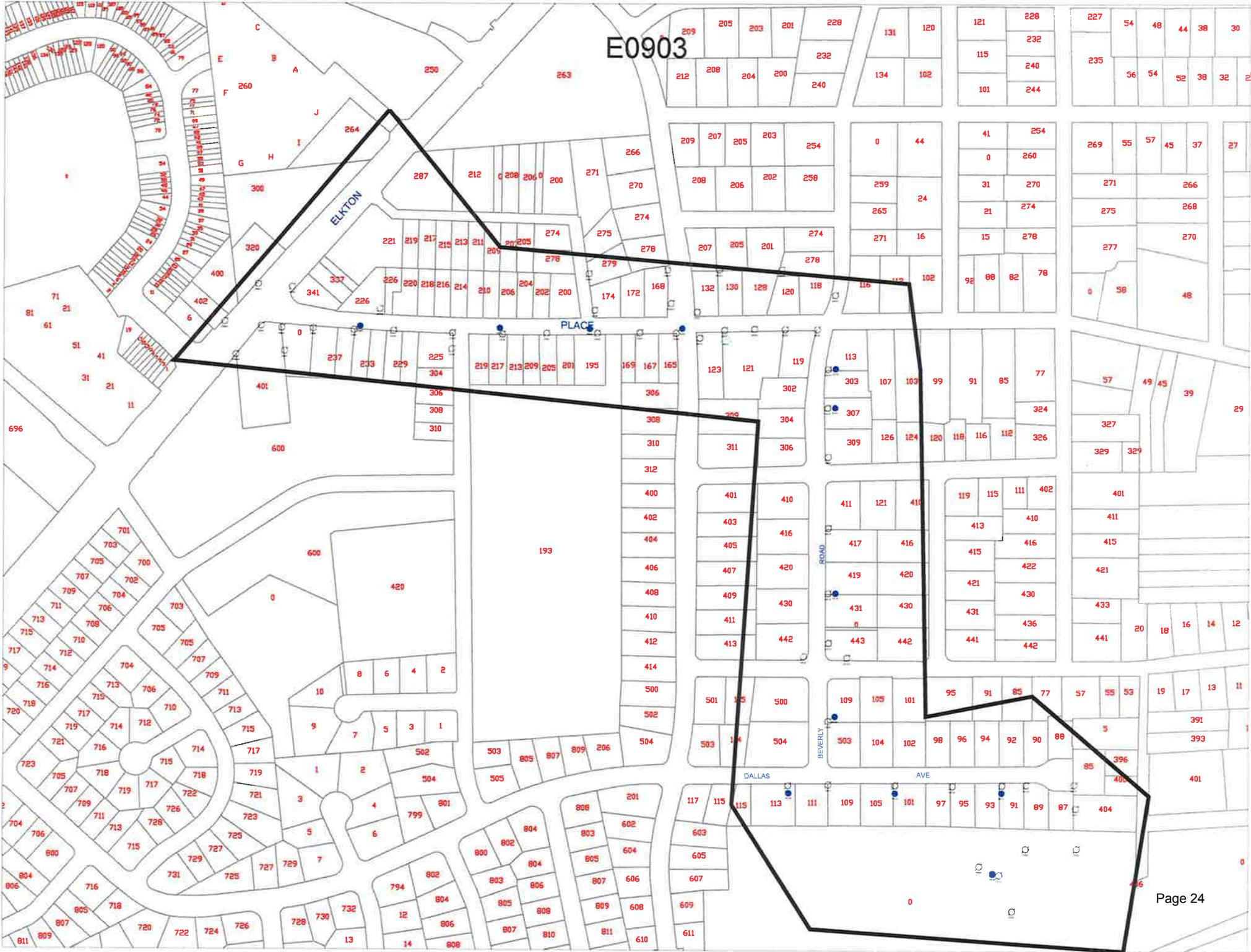
²"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent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

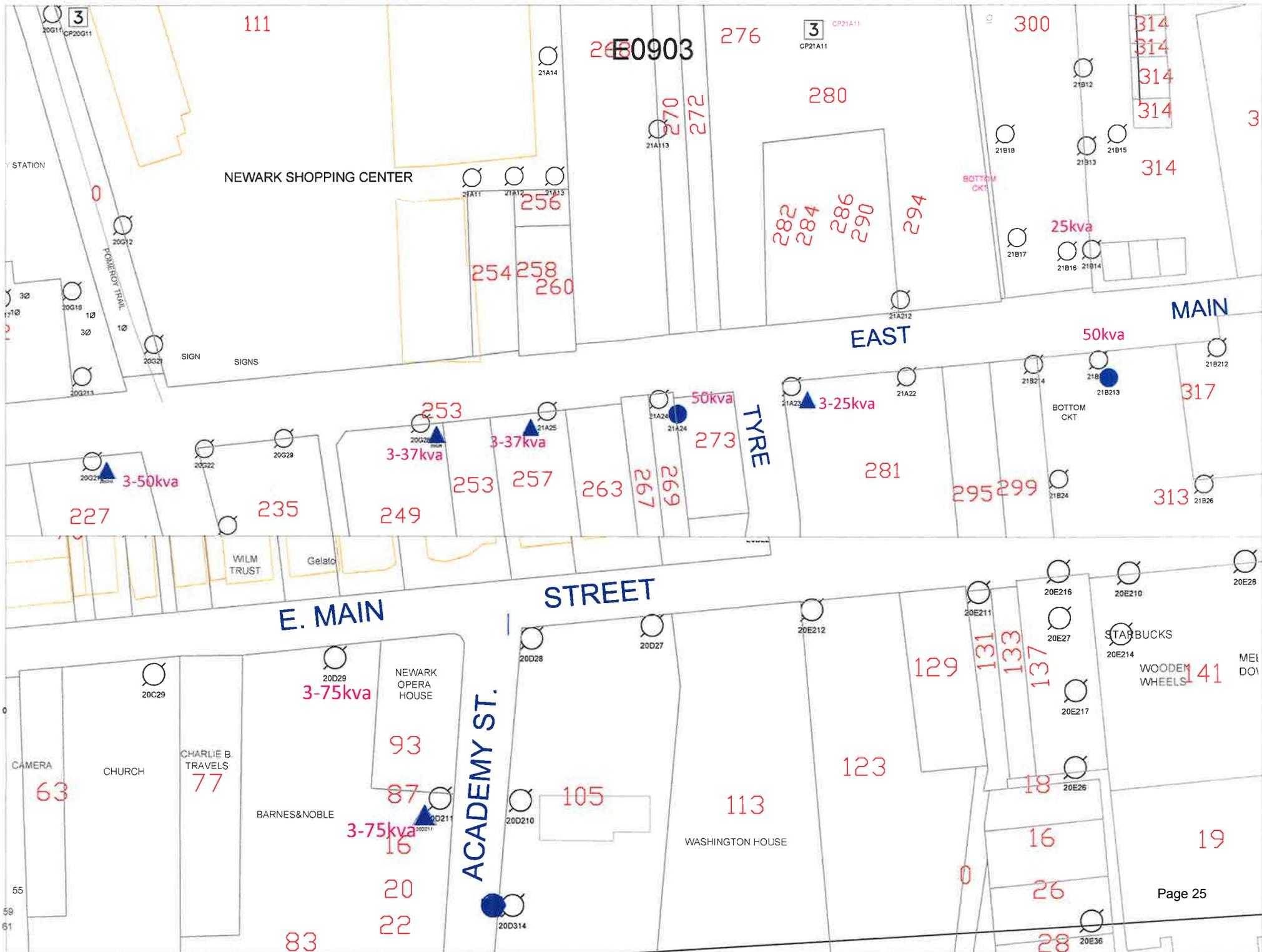
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	-

E0903



E0903





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NEWARK SHOPPING CENTER

EAST

MAIN

TYRE

E. MAIN

STREET

ACADEMY ST.

STATION

FOURNOT TAIL

SIGN SIGNS

WILM TRUST

Gelato

NEWARK OPERA HOUSE

CAMERA

CHURCH

CHARLIE B TRAVELS

BARNES&NOBLE

ACADEMY ST.

WASHINGTON HOUSE

STARBUCKS

WOODEN WHEELS

MEL DOV

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC	DIVISION:	
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
E0503	SCADA AND AUTOMATIC SWITCHING	VARIOUS	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THE AUTO TRANSFER SYSTEM WILL ALLOW INTELLIGENT TRANSFER OF SUBSTATIONS ON THE 34.5KV SUBTRANSMISSION SYSTEM USING RECLOSERS TO ISOLATE A FAULTED CIRCUIT AND SWITCH A SUBSTATION TO A DIFFERENT CIRCUIT IF ALL LOGIC CONDITIONS ARE MET. LARGE OUTAGES WILL BE REDUCED TO ABOUT A MINUTE AND A NOTIFICATION OF A TRANSFER WILL BE SENT TO ON CALL PERSONNEL TO INVESTIGATE.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2005	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor	5195106.9860	\$ 108,000
Est. Useful Life (in years)	20 YRS.	Materials	5195106.9760	\$ 459,000
Est. Total Cost	1,250,042	Other Contracts	5195106.9960	\$ 300,000
Est. Spend @ 12/31 (if underway) ¹	383,042	Total Project Cost		\$ 867,000
Balance to be funded ¹	867,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	30%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		482,000	366,000				848,000
CAPITAL RESERVES	19,000						19,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	19,000	482,000	366,000	-	-	-	867,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ELECTRIC	DIVISION:	
PROJECT NO: EEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT PROGRAM	PROJECT LOCATION:	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	1,436,000	Other Contracts	5195106.9623	\$ 1,436,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 1,436,000
Balance to be funded ¹	1,436,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		360,000	188,500	351,500	234,000	302,000	1,436,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	360,000	188,500	351,500	234,000	302,000	1,436,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
ELECTRIC UTILITY**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	RECOM'D MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS					
									2016	2017	2018	2019	2020	
STAFF CARS														
103	2010 Dodge Nitro	05/28/10	19,567	65,222	70,000	5	2015	2018			30,000			
116	2012 Toyota Camry Hybrid	03/19/12	24,718	5,356	70,000	10	2022	2022						
120	2012 Toyota Camry Hybrid	03/19/12	24,718	6,956	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	10/01/04	115,499	95,385	75,000	8	2012	2016	165,000					
104	2013 International 7400 Digger	09/21/12	228,003	17,514	75,000	8	2020	2020					267,000	
105	2006 International 7400 Pole Truck	09/01/06	166,920	29,797	65,000	8	2014	2018			256,500			
115	EZ Hauler 4100 Mini Digger Derrick	09/12/08	120,732	--	--	8	2016	2017		155,000				
122	2004 Int'l Aerial Lift Truck	09/12/03	123,982	82,190	65,000	8	2011	2016	195,000					
124	2009 Ford F750 Aerial Lift	09/18/09	149,600	38,364	100,000	8	2018	2019				199,000		
126	2009 Ford F250 Truck	04/03/09	19,965	74,840	90,000	8	2017	2018			35,000			
130	2013 Ford F750 Aerial Lift	01/14/14	176,500	12,664	75,000	8	2022	2022						
147	2015 Ford F750 Bucket Truck	07/31/15	164,100	1,397	75,000	8	2023	2023						
PICK-UPS & VANS														
129	2011 Ford 3/4 Ton Utility Body	07/02/10	27,412	24,042	90,000	10	2020	2020					35,000	
132	2008 GMC Sierra 2500 Pickup	10/03/08	20,579	29,551	65,000	10	2018	2019				35,000		
145	2002 Dodge Ram R2500 Pickup	05/31/02	21,337	72,103	65,000	10	2012	2017		33,500				
OTHER EQUIPMENT														
1015	2005 Daewoo 5000K Forklift	10/14/05	21,450	--	--	10	2015	2018			30,000			
TOTAL ELECTRIC UTILITY									\$360,000	\$188,500	\$351,500	\$234,000	\$302,000	

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
WATER FUND

	2015 BUDGET	-----2016-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	TOTAL
W1601 Backup Generation at Remote Wells	\$0	\$0	\$0	\$0	\$82,500	\$70,000	\$0	\$0	\$152,500
W1602 Roseville Park Pressure District	0	0	25,000	25,000	475,000	0	0	0	500,000
W1501 Reservoir Upgrades	\$50,000	50,000	0	50,000	0	0	0	0	50,000
W1502 Pump and VFD Efficiency Upgrades	150,000	0	0	0	0	0	0	0	0
W1503 Academy Street Interconnection Station	50,000	42,500	0	42,500	0	50,000	400,000	0	492,500
W1401 Re-Bed Filters 1 and 2	250,000	223,250	40,000	263,250	0	0	0	0	263,250
W1402 Air Stripper Replacement/Storage Tank Config.	150,000	75,000	75,000	150,000	650,000	0	0	0	800,000
W1302 Abandon Old Wells	0	0	40,000	40,000	40,000	0	0	0	80,000
W1303 Water System Master Plan	300,000	52,150	0	52,150	0	0	0	0	52,150
W1304 Eliminate Tank Overflows	80,000	67,660	0	67,660	0	0	0	0	67,660
W1201 Water Main: Windy Hills to Red Mill	92,500	19,850	309,500	329,350	0	0	0	0	329,350
W1101 Curtis Plant Intake Replacement	173,000	172,440	0	172,440	75,000	2,650,000	0	0	2,897,440
W1102 Lime Silo/Delivery Rehabilitation	13,650	13,650	0	13,650	0	0	0	0	13,650
W1103 Repairs to Concrete Tank	359,913	0	0	0	0	0	0	0	0
W1104 Finish Water Mixer	0	0	30,001	30,001	0	0	0	0	30,001
W0807 Arbour Park Booster Station Improvements	326,250	0	0	0	0	0	0	0	0
W0503 Well Restoration	55,636	25,551	0	25,551	28,000	28,000	29,000	29,000	139,551
W0403 Water Tank Mixing Retrofit	181,095	0	0	0	0	0	0	0	0
W0002 Alternative Disinfection Equipment	125,000	60,000	190,000	250,000	400,000	0	0	0	650,000
W9302 SCADA System	270,000	0	75,000	75,000	75,000	100,000	100,000	0	350,000
W9308 Water Main Renovation Program	1,000,000	423,894	876,106	1,300,000	1,545,000	1,591,350	1,639,091	1,688,263	7,763,704
W8605 Water Tank Maintenance	530,500	0	475,000	475,000	500,000	600,000	350,000	250,000	2,175,000
T0101 NPDES Phase II Stormwater Quality	40,000	40,000	0	40,000	40,000	40,000	40,000	40,000	200,000
WEQSF Vehicle Replacement Program	0	275,000	0	275,000	540,000	0	20,000	210,000	1,045,000
Total Water	\$4,197,544	\$1,540,945	\$2,135,607	\$3,676,552	\$4,450,500	\$5,129,350	\$2,578,091	\$2,217,263	\$18,051,756
GROSS CAPITAL IMPROVEMENTS	\$4,197,544	\$1,540,945	\$2,135,607	\$3,676,552	\$4,450,500	\$5,129,350	\$2,578,091	\$2,217,263	\$18,051,756
LESS: USE OF RESERVES	(2,072,179)	(1,265,945)	0	(1,265,945)	0	0	0	0	(1,265,945)
VEHICLE & EQUIPMENT REPLACEMENT	0	(275,000)	0	(275,000)	(540,000)	0	(20,000)	(210,000)	(1,045,000)
GRANTS	(300,000)	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS	\$1,825,365	\$0	\$2,135,607	\$2,135,607	\$3,910,500	\$5,129,350	\$2,558,091	\$2,007,263	\$15,740,811

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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W1601	Backup Generation at Remote Wells	Wells 15 and 17	
PROJECT STATUS (CHECK ONE):	<input checked="" type="checkbox"/> NEW	<input 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:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

Two of our three current high production wells lack backup power, wells 15 and 17. This project proposes to install generators at each well. Depending on the availability of natural gas, the sites will be served by natural gas or diesel generators with a preference toward natural gas.

Total estimated cost for backup power to be installed at each location is \$70,000 for natural gas or \$58,000 for diesel, per location. We would bid each location separately over two years in an effort to spread the cost out. 2017 will cover engineering and bidding with construction on Well 15 in 2017 and Well 17 in 2018.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)	25	Materials		
Est. Total Cost	152,500	Other Contracts	5295206.9760	\$ 152,500
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 152,500
Balance to be funded ¹	152,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			82,500	70,000			152,500
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	82,500	70,000	-	-	152,500

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Water	
PROJECT NO: W1602	PROJECT TITLE: Roseville Park Pressure District	PROJECT LOCATION: Roseville Park & Delaplane Manor	
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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 would investigate alternative solutions with costs to be used to budget for design in 2017 and construction in 2018 depending on funding availability.

Currently identified potential solutions and the pros and cons of each solution that need to be reviewed in depth are:

1. Run a new main from the higher pressure zone on Possum Park Road to Delaplane Manor to create an extension of the Chapel Hill Medium pressure zone in this area. (Pros - little to no operating costs, resilient to power loss, improves water turnover from Louviers tank, will not affect pressure in Capitol Trail area during times of high demand. Cons - high upfront cost. Unknowns - may not be ideal pressure or flow rate)
2. Install jockey and fire pumps in Delaplane Manor or Roseville Park (same as Arbour Park Booster) to create an entirely new pressure zone (Pros - guaranteed to be ideal pressure and flow. Cons - High cost, will affect Capitol Trail area during times of high demand, ongoing power costs, ongoing maintenance requirements)
3. Purchase higher pressure water from Artesian Water's adjacent higher pressure zone (Pros - little upfront cost. Cons - ongoing water purchase costs. Unknowns - whether or not capacity or adequate pressure exists in Artesian's system)

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)	100	Materials		
Est. Total Cost	500,000	Other Contracts	5295206.9760	\$ 500,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 500,000
Balance to be funded ¹	500,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		25,000	475,000				500,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	25,000	475,000	-	-	-	500,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO: W1501	PROJECT TITLE: Reservoir Upgrades	PROJECT LOCATION: Reservoir	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project proposes to review possibilities for additional mixing/aeration in the reservoir to reduce thermal stratification which negatively impacts the water quality of thermally stratified layers, contributing to taste and odor problems when using water from depths below the normal operating range and increasing the treatment and chemical demands necessary to effectively treat water from the reservoir.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	50,000	Other Contracts	5295206.9740	\$ 50,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 50,000
Balance to be funded ¹	50,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	50,000						50,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	50,000	-	-	-	-	-	50,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

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

DEPARTMENT: Public Works and Water Resources		DIVISION: Water	
PROJECT NO: W1503	PROJECT TITLE: Academy St. Interconnection Pump Station	PROJECT LOCATION: Academy Street and Waterworks Lane	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

Our interconnection with United Water, located at the intersection of Academy Street and Waterworks Lane, is the existing interconnection location best suited to serve as the backup supply for the NWTP. The existing station has three pumps which produce 1.0, 1.5 and 2.0 million gallons per day, located in the basement of the old brick building. The pumps and building at this location are in exceedingly poor condition and will require significant repairs and possibly complete replacement if we are to rely on them for backup water service long term. Additionally, long-term maintenance on the oversized building will continue to be a maintenance burden for as long as the station is in service. This project proposes to replace the existing station with a pre-packaged booster station similar to what has been installed at the Northwest Booster and Arbour Park. These stations feature high efficiency pumps, SCADA compatibility, and variable frequency drives creating a low maintenance cost, reliable, and efficient pump station. We will perform a needs assessment to properly size the pumps for current and future potential demand. This project will also demolish the existing building.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	1993	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2020	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	500,000	Other Contracts	5295206.9760	\$ 492,500
Est. Spend @ 12/31 (if underway) ¹	7,500	Total Project Cost		\$ 492,500
Balance to be funded ¹	492,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	2%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES				50,000	400,000		450,000
CAPITAL RESERVES	42,500						42,500
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	42,500	-	-	50,000	400,000	-	492,500

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works & Water Resources		DIVISION: Water	
PROJECT NO: W1401	PROJECT TITLE: Upgrades/Filter Re-Bedding of Units 1 and 2		PROJECT LOCATION: South Well Field Treatment Plant
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Recent filter media inspection by Hungerford and Terry indicates that the filter media needs replacement. The useful life for the filter media in these filters is 10 years. The filter media is just about 10 years old. Also there may be a clogged or broken air line underneath the media in the filters that inhibit proper air scouring during a back wash cycle. We are going to attempt to complete this in 2014 but can't start the project until the concrete tank repair is complete. We also plan to install a fabric roof over the backwash tanks as part of this project. We have had several pump failures over the last few years due to branches and other tree material falling into the open top tanks. Each pump failure costs several thousand dollars. Eliminating the pump repairs will easily pay for the roof within 3 or 4 years. Lastly, we plan to perform spot painting as necessary of locations on the filters and associated piping that are suffering from corrosion and replace the effluent flow meter which has recently failed.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor	5295206.9840	\$ 100,000
Est. Useful Life (in years)	15	Materials	5295206.9740	\$ 100,000
Est. Total Cost	263,250	Other Contracts	5295206.9740	\$ 63,250
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 263,250
Balance to be funded ¹	263,250	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		40,000					40,000
CAPITAL RESERVES	223,250						223,250
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	223,250	40,000	-	-	-	-	263,250

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO: W1402	PROJECT TITLE: Air Stripper Replacement South Well Field	PROJECT LOCATION: South Well Field Treatment Plant	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" 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	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The current air stripper is a single unit with no redundancy. It has been in service for many years, is very difficult to maintain due to being located on top of the raw water tank, and 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 have two chambers to allow for maintenance of one side while operating from the other. Once completed this project will also allow us to complete the repair and repainting of the two existing tanks that will then both become finish water tanks. The repair and maintenance of the existing tanks will be completed with the existing tank maintenance CIP project. When we are done we will have new, adequate and redundant air stripping capacity, new and redundant raw water storage and refurbished and redundant finished water storage. The project will kick off in 2014 with spending on review / analysis and a pilot study of the desired air stripper at Well 14 for proof of concept. There is a chance that the project could be eligible for State of Delaware revolving loan or other funding sources.

2014 - Pilot project on Well 14R, preliminary estimates for full project to use in budgeting
 2015-2016 - Design and Bidding, update CIP budget
 2017 - Construction

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	800,000	Other Contracts	5295206.9740	\$ 800,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 800,000
Balance to be funded ¹	800,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		75,000	650,000				725,000
CAPITAL RESERVES	75,000						75,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	75,000	75,000	650,000	-	-	-	800,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W1302	Abandon Old Wells	Various	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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 25 (near Fairfield Crest) , Well 24 (Along the west side of Creek Road past Bubble Gum Rock), Well 21 (on the east side of Jenneys Run adjacent to Pine Brook Apartments), Well 19 (Reybold Road and Rt 72), Well 18 (Old Cooches Bridge Road), Well 5, and other associated monitoring wells at Lewis Park, Well 10 (South Well Field). This work will be done in coordination with the DSGS and DNREC Office of Ground Water. Each well will cost in the vicinity of \$7,500 to abandon and clear the site.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2013	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)		Materials		
Est. Total Cost	80,000	Other Contracts	5295206.9760	\$ 80,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 80,000
Balance to be funded ¹	80,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		40,000	40,000				80,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	40,000	40,000	-	-	-	80,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water
PROJECT NO: W1303	PROJECT TITLE: Water System Master Plan	PROJECT LOCATION: Various	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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	2016	Labor		
Est. Useful Life (in years)	10	Materials		
Est. Total Cost	52,150	Other Contracts	5295206.9622	\$ 52,150
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 52,150
Balance to be funded ¹	52,150	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	52,150						52,150
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	52,150	-	-	-	-	-	52,150

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Water	
PROJECT NO: W1304	PROJECT TITLE: Eliminate Tank Overflows on Private Property		PROJECT LOCATION: Various Locations
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	
<p>Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:</p> <p>Several of our water tanks have overflows that flow across lawns or through pipes that pass through private drain lines. This project will provide funding such that we can begin to implement solutions to these problems.</p> <p>During 2015 we have addressed both Arbour Park and Dallam Road tanks in-house. In 2016 we plan to address Windy Hills tank and evaluate the Louviers Tank.</p>			

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	70,000	Other Contracts	5295206.9760	\$ 67,660
Est. Spend @ 12/31 (if underway) ¹	2,340	Total Project Cost		\$ 67,660
Balance to be funded ¹	67,660	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	3%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	67,660						67,660
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	67,660	-	-	-	-	-	67,660

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET						
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Water	
PROJECT NO: W1201	PROJECT TITLE: 12" Water Main	PROJECT LOCATION: Windy Hills and Red Mill Road	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

When Windy Hills was developed, provisions were made to extend a 12 inch line to Red Mill Road. Since then we have continued to serve customers on Kirkwood Highway East to Harmony Road and various businesses on Ruthar Drive with only the 8" line in Capitol Trail. Due to this, any interruption in service in this line takes everything beyond it offline, as was the case this past winter where we had thousands of customers without water due to a main break near the Windy Hills bridge. Making this 12 inch connection will provide a second source of water for this section of our water system improving the pressure, flow, and water quality. We completed the alternatives analysis in the Spring of 2014 and identified an alternate route which is estimated to save around \$200,000 in construction costs versus the originally proposed alignment.

The schedule is as follows:

2014 Alternatives Study and Cost Estimates. Update Capital Budget for 2015/2016 - Complete
2015 Detailed survey, design, and permitting. Update 2016 Capital Budget if Necessary - Complete
2016 Construction

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	75+	Materials		
Est. Total Cost	402,000	Other Contracts	5295206.9760	\$ 329,350
Est. Spend @ 12/31 (if underway) ¹	72,650	Total Project Cost		\$ 329,350
Balance to be funded ¹	329,350	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	18%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		309,500					309,500
CAPITAL RESERVES	19,850						19,850
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	19,850	309,500	-	-	-	-	329,350

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Water	
PROJECT NO: W1101	PROJECT TITLE: Curtis WTP Intake Study and Replacement		PROJECT LOCATION: Curtis WTP
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The 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. The dam is exhibiting signs of fatigue and has the potential to be bypassed should the White Clay Creek change course or wash out the right 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, molusks, and other aquatic life. This study will evaluate alternatives and make recommendations for projects to address the various issues related to the raw water intake system. Pricing for the construction is intended as a place holder until more detailed price estimates can be developed during the study. Grant Funding may be available and will be explored more thoroughly during the study phase of this project. Ideal candidate for Delaware revolving loan funding if no grant funding is identified.

2016 Continue Study Currently Underway and Begin Plan Preparation/Permitting (Reserve Funds)
 2017 Complete Plan Preparation/Permitting and Begin Construction (Est.)
 2018 Complete Construction (Est.)

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	2,897,440	Other Contracts	5295206.9621	\$ 2,897,440
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 2,897,440
Balance to be funded ¹	2,897,440	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			75,000	2,650,000			2,725,000
CAPITAL RESERVES	172,440						172,440
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	172,440	-	75,000	2,650,000	-	-	2,897,440

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W1102	Rehabilitate Lime Silo and Delivery System	Curtis Water Treatment Plant	
PROJECT STATUS (CHECK ONE):			
<input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The lime silo and conveyance system in use at the Newark Water Treatment Plant have been in place since 1992 and have deteriorated over time to the point that the equipment is not usable without releasing lime dust into the plant. This project will update the silo and delivery system including the filter bag house, delivery system piping, ladder safety device, and controls.

This project is complete with the exception of installation of the bin fill level indicator that can't be replaced until we use enough lime to drop the level below the proposed sensor location. We don't use much lime so it is taking some time to accomplish.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	25	Materials		
Est. Total Cost	50,000	Other Contracts	5295206.9740	\$ 13,650
Est. Spend @ 12/31 (if underway) ¹	36,350	Total Project Cost		\$ 13,650
Balance to be funded ¹	13,650	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	73%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	13,650						13,650
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	13,650	-	-	-	-	-	13,650

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

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

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W1104	Finish Water Mixer	South Well Field Treatment Plant	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input checked="" type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The water at the South Well Field Treatment Plant needs to be treated with lime to buffer the pH. Currently we are adding the lime prior to the iron removal process and find that we are lowering the PH below the level at which the treatment units operate most efficiently. If we feed the lime to optimize the treatment process we have water that has a PH that is too low. If we add enough lime to adjust the PH correctly we compromise the treatment process and use more lime than necessary. We have been using a temporary lime feed after the treatment has been completed, and are pleased with the result. This project will provide an all weather lime injection point with appropriate mixing capabilities.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	25	Materials		
Est. Total Cost	40,000	Other Contracts	5295206.9760	\$ 30,001
Est. Spend @ 12/31 (if underway) ¹	9,999	Total Project Cost		\$ 30,001
Balance to be funded ¹	30,001	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	25%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		30,001					30,001
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	30,001	-	-	-	-	30,001

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works & Water Resources		DIVISION: Water	
PROJECT NO: W0503	PROJECT TITLE: Well Restoration Program		PROJECT LOCATION: Various
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	2010	2016
12	Unknown	Likely to abandon
13	2014	2021
14R	2012 (New)	2019
15	2015	2020
16	2005	2021
17	2013	2017
20	2002	2018
23	Unknown	2022

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2005	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	Perpetual	Labor		
Est. Useful Life (in years)	7	Materials		
Est. Total Cost	139,551	Other Contracts	5295206.9760	\$ 139,551
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 139,551
Balance to be funded ¹	139,551	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			28,000	28,000	29,000	29,000	114,000
CAPITAL RESERVES	25,551						25,551
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	25,551	-	28,000	28,000	29,000	29,000	139,551

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water
PROJECT NO: W0002	PROJECT TITLE: Alternative Disinfection Equipment	PROJECT LOCATION: Curtis Water Treatment Plant	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project will provide alternative disinfection equipment at the Curtis Water Treatment Plant (CWTP). The gaseous chlorine that we currently use is subject to increasing regulatory action. Replacement with less hazardous materials will eliminate the concern. An investigation is currently underway involving the study of alternatives to reduce or eliminate the use of bulk gas chlorine at the Curtis Water Treatment Plant (CWTP), as well as examine building rehabilitation needs and interior space changes to accommodate chemical feed changes and room for future treatment equipment. It is anticipated that we are going to replace the gaseous chlorine with bulk sodium hypochlorite which is the same system in use at the South Well Field Treatment Plant.

JWS NOTE: TOM'S NUMBERS CHANGED TO REFLECT CURRENT AMOUNT SHOWING IN RESERVES

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	700,000	Other Contracts	5295206.9740	\$ 650,000
Est. Spend @ 12/31 (if underway) ¹	50,000	Total Project Cost		\$ 650,000
Balance to be funded ¹	650,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	7%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		190,000	400,000				590,000
CAPITAL RESERVES	60,000						60,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	60,000	190,000	400,000	-	-	-	650,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W9302	Water SCADA	Various Locations	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input checked="" type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level Project underway and must be completed		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

During 2015 we have completed the Reservoir SCADA restoration effort using Digitalogic (The Electric Department's integrator) as well as prepared two remote booster stations and one remote well site so they are ready to come online once the new VHF and spread spectrum 900 MHz radio systems are up and running. We plan to try to bring at least 3 remote sites online per year and have all remote sites online before beginning instrumentation of our two treatment plants. Of the treatment plants, South Well Field is most SCADA ready and will be developed first before we finish with the Curtis treatment plant.

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	2020	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	350,000	Other Contracts	5295206.9760	\$ 350,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 350,000
Balance to be funded ¹	350,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		75,000	75,000	100,000	100,000		350,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	75,000	75,000	100,000	100,000	-	350,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	10,000	11,500	13,225	15,209	17,490	67,424

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Water
PROJECT NO: W9308	PROJECT TITLE: 2016 Water Main Replacement Program	PROJECT LOCATION: Various Locations
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Project involves either replacing mains or lining the interior to minimize main breaks, improve water quality, and improve fire flow. Water lines to be repaired will be identified closer to contract development so that we can incorporate the latest information we have on system condition and road maintenance activity.

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 is \$180 per foot which means that in order to sustainably manage our distribution network, we should be spending between \$1,000,000 and \$1,500,000 per year. That level of spending is reflected starting in 2016, after the GIS project is expected to be in service, and growing thereafter at a rate of 3% annually.

The "Water System Master Plan" project (W1303), which should be complete by early 2016, will dramatically improve our ability to plan for and optimize this critical capital replacement program in years 2017+.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	1993	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	Perpetual	Labor		
Est. Useful Life (in years)	75+	Materials		
Est. Total Cost	7,763,704	Other Contracts	5295206.9760	\$ 7,763,704
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 7,763,704
Balance to be funded ¹	7,763,704	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		876,106	1,545,000	1,591,350	1,639,091	1,688,263	7,339,810
CAPITAL RESERVES	423,894						423,894
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	423,894	876,106	1,545,000	1,591,350	1,639,091	1,688,263	7,763,704

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Water
PROJECT NO: W8605	PROJECT TITLE: Water Tank Maintenance	PROJECT LOCATION: Various
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

In 2015 we repaired and painted the Paper Mill Road Concrete Tank and the Windy Hills Tank, The Louviers tank near Milford Crossroads on Thompson Station Road is overdue for painting with the original recommended date to repaint being 2014. Work was delayed due to higher than anticipated costs and the urgent need to repaint the Windy Hills Tank first due to the poor condition of its surface coatings. Surface coatings generally last 15 years which means every tank in our system with the exception of the two we painted this year are either already overdue for painting or will come due within the next two years. The current painting schedule is:

- 2017 - New London Tank (2,000,000 gallon ground tank) - \$500,000, last painted in 1997
- 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. Last painted in 2003
- 2019 - 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

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	1986	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	Perpetual	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	2,175,000	Other Contracts	5295206.9760	\$ 2,175,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 2,175,000
Balance to be funded ¹	2,175,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		475,000	500,000	600,000	350,000	250,000	2,175,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	475,000	500,000	600,000	350,000	250,000	2,175,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO: T0101	PROJECT TITLE: NPDES Stormwater Quality Program	PROJECT LOCATION: Various Locations	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

We received a surface water planning grant in 2014, part of which will optimize locations for BMP retrofits based on watershed imperviousness and other factors. Once this grant project is underway we will review our original installations against the recommendations and revise our schedule.

We chose not to complete a 2015 project due to uncertainty associated with impending changes to our permit which we have been told will be provided in draft form for review before the end of 2015. We therefore plan to skip 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 thereafter which we will revise as necessary once we have an optimized plan from the planning grant project.

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

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	Perpetual	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	200,000	Other Contracts	3063006.9720	\$ 200,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 200,000
Balance to be funded ¹	200,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		-	40,000	40,000	40,000	40,000	160,000
CAPITAL RESERVES	40,000						40,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	40,000	-	40,000	40,000	40,000	40,000	200,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	5,000	10,000	15,000	20,000	25,000	75,000	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
WEQSF	Equipment Replacement Program		
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level Project underway and must be completed		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	1,045,000	Other Contracts	5295206.9623	\$ 1,045,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 1,045,000
Balance to be funded ¹	1,045,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		275,000	540,000		20,000	210,000	1,045,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	275,000	540,000	-	20,000	210,000	1,045,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
WATER AND WASTE WATER UTILITY**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2016	2017	2018	2019	2020
STAFF CARS													
212	2009 Ford Focus	04/03/09	13,489	52,474	80,000	8	2017	2017		18,000			
215	2008 Ford Focus	02/26/08	11,281	26,335	60,000	8	2016	2019				20,000	
LINE TRUCKS													
202	2012 Ford F350	10/18/12	74,095	19,005	80,000	8	2020	2020					85,000
207	2005 Int'l 7400 Dump Truck	08/05/05	95,845	27,811	36,000	8	2013	2017	165,000				
243	2006 Int'l 4300 Sewer Truck	a. 10/17/05	146,156	96,779	90,000	8	Project S1201						
PICK-UPS & VANS													
204	2002 Ford F350 Pickup	05/17/02	21,904	94,858	85,000	10	2012	2016	35,000				
206	2014 Ford F-150 Pickup Truck	12/31/14	25,011	19,165	120,000	5	2020	2021					
211	2009 Ford F250 Supercab	06/05/09	25,267	37,700	80,000	10	2019	2021					
218	2003 Chevrolet S-10 4x4 Picku	05/23/04	16,088	75,872	100,000	10	2014	2017		25,000			
224	2012 Ford F250 Pickup Truck	10/25/12	37,999	15,063	80,000	10	2022	2022					
241	2015 Ford Transit Connect	12/31/14	21,491	5,297	100,000	10	2026	2026					
244	2003 Chevrolet Silverado Picku	05/23/03	17,238	88,274	100,000	10	2013	2016	25,000				
299	2013 Ford F150 Pickup	06/28/13	19,541	14,529	100,000	10	2023	2023					
OTHER EQUIPMENT													
201	1994 Ingersall Air Compressor	09/09/94	9,169	--	--	15	2009	2017		12,000			
220	2011 Case 590 SN Loader/Backhoe	10/14/11	117,701	--	--	9	2020	2020					125,000
230	2003 Sterling SC8000 Sweeper	01/09/04	99,130	49,510	60,000	8	2012	2017		260,000			
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	12/22/05	161,375	55,687	60,000	8	2013	2016	215,000				
TOTAL WATER AND WASTE WATER UTILITY									\$275,000	\$540,000	\$0	\$20,000	\$210,000

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

**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
SEWER FUND**

	2015 BUDGET	-----2016-----		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	2016	2017	2018	2019	2020	TOTAL
S1601 Spare Sewer Pumps	\$0	\$0	\$60,000	\$60,000	\$0	\$0	\$0	\$0	\$60,000
S1602 Sewer SCADA	0	0	25,000	25,000	25,000	25,000	0	0	75,000
S1501 Sewer System Master Plan	300,000	215,288	34,712	250,000	0	0	0	0	250,000
S1201 Sewer Jet Truck 243 Replacement	300,000	300,000	0	300,000	0	0	0	0	300,000
S0904 Sanitary Sewer Study & Repairs	500,000	405,846	181,654	587,500	600,000	700,000	750,000	750,000	3,387,500
Total Sewer	\$1,100,000	\$921,134	\$301,366	\$1,222,500	\$625,000	\$725,000	\$750,000	\$750,000	\$4,072,500
GROSS CAPITAL IMPROVEMENTS	\$1,100,000	\$921,134	\$301,366	\$1,222,500	\$625,000	\$725,000	\$750,000	\$750,000	\$4,072,500
LESS: USE OF RESERVES	(392,751)	(871,134)	0	(871,134)	0	0	0	0	(871,134)
VEHICLE & EQUIPMENT REPLACEMENT	0	0	0	0	0	0	0	0	0
GRANTS	(150,000)	(50,000)	0	(50,000)	0	0	0	0	(50,000)
BOND ISSUES	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS	\$557,249	\$0	\$301,366	\$301,366	\$625,000	\$725,000	\$750,000	\$750,000	\$3,151,366

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Sewer
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
S1601	Spare Sewer Pumps	All Three Sewer Pump Stations	
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		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

We currently operate three sewer pump stations that serve our territory south of Route 4, each of a different size and capacity. All three stations are "duplex" configuration, which means they have two pumps in parallel so if one pump fails or is unable to keep up with demand, there is a second pump available so the station doesn't overflow sewage into adjacent streams or backup into basements. The problem with this setup is that it is not good practice to leave one pump out of service for longer than a few days as there is a chance that the one remaining pump could clog or become overwhelmed during a storm.

While the probability of such an occurrence is not high, the consequences of such a failure are severe. As a result, whenever we take a pump out for service we have to rent a backup pump. Backup pumps cost as much as \$5,000 per month, and the most recent rental totalled over \$20,000. When compared to the approximate cost of \$20,000 for a new pump, the cost of the one-time rentals are unnecessary and avoidable.

The high rental cost also means we don't perform routine maintenance on our pumps, shortening the expected life and reducing performance. By purchasing a spare for each station, we could switch the spare for an in-service pump and send the in-service pump out for maintenance regularly, all without paying for backup pump rentals, something that would allow these pumps to pay for themselves in short order, as represented by the operating impact below.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	15	Materials	5395306.9760	\$ 60,000
Est. Total Cost	60,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 60,000
Balance to be funded ¹	60,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		60,000					60,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	60,000	-	-	-	-	60,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(25,000)

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Sewer
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
S1602	Sewer SCADA	Three Sewer Pump Stations	
PROJECT STATUS (CHECK ONE):	<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level Project underway and must be completed		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

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

§ 806.1(3) SUMMARY OF PROJECT DATA

PROJECT COST BY CATEGORY

		CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
First Year in Program	2016	Labor		
Est. Completion Date	2018	Materials		
Est. Useful Life (in years)	15	Other Contracts	5395306.9622	\$ 75,000
Est. Total Cost	75,000	Total Project Cost		\$ 75,000
Est. Spend @ 12/31 (if underway) ¹	-			
Balance to be funded ¹	75,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		25,000	25,000	25,000			75,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	25,000	25,000	25,000	-	-	75,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	5,000	5,750	6,613	6,811	7,015	31,189

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Sewer	
PROJECT NO: S1501	PROJECT TITLE: Sewer System Master Plan		PROJECT LOCATION: Various Locations
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project continues the effort begun in 2015 to digitally map and model the sanitary sewer system. In 2015, we applied for and were awarded a grant from the Water Infrastructure Advisory Council (WIAC) to survey the sanitary sewer system and create a GIS database. Additionally, flow monitoring was completed in the Cool Run sewer basin, one of our two major sewer basins. In 2016, we will perform sewer flow monitoring in the White Clay sewer basin and, using this data and the data collected in 2015, create a capacity model of the sanitary sewer system. This model will be used to identify areas of limited capacity for targeted replacement, capacity upgrades, and if necessary, temporary development restrictions.

The City currently does not have a sanitary sewer model and instead relies on developers to analyze and confirm that adequate capacity exists in our system to accommodate their development. The problem with this method is that it applies an oversize burden on small developments since a very similar level of effort is required whether the project is large or small. We would propose eliminating this requirement of the developers and instead charge a capacity certification fee based on of the average daily flow generated by a development. This fee is similar to a fee charged by the regional wastewater treatment plant and would allow us to be equitably reimbursed by developers for the effort necessary to create and maintain an accurate capacity model while at the same time reducing the engineering cost of developing a plan in the City. Annual maintenance costs have been assumed at zero due to the expectation of the program to be self-funded through fees.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	Perpetual	Labor		
Est. Useful Life (in years)	25+	Materials		
Est. Total Cost	550,000	Other Contracts	5395306.9760	\$ 250,000
Est. Spend @ 12/31 (if underway) ¹	300,000	Total Project Cost		\$ 250,000
Balance to be funded ¹	250,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	55%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		34,712					34,712
CAPITAL RESERVES	165,288						165,288
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) WIAC		50,000					50,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	165,288	84,712	-	-	-	-	250,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Sewer	
PROJECT NO: S1201	PROJECT TITLE: Replacement Sewer Jet Truck #243		PROJECT LOCATION: Maintenance Yard
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The city's current sewer flushing truck (243) lacks an effective inspection camera, is not able to operate all of the equipment that we need to use, and is not large enough to effectively clean and flush debris in pipes larger than 8 inches. Because of the size of the existing equipment, we are limited in the tools that we can use. Currently, we have to contract with a private firm to operate our cutter head used to clear grease and debris as we do not have sufficient water volume or pressure to propel the equipment through the pipe and spin the cutter head. The lack of pressure and water volume also cause problems when we get into pipes larger than 8 inches. As pipe diameter increases, more water volume and pressure is needed to scour the pipe, pull back debris, and operate the larger pieces of equipment (root cutter/grease cleaner) needed to reach the walls of the pipe. The new truck will be outfitted with a modular crawler camera system, so that the operators can see what they have done and determine if additional cleaning effort is required. This will also allow the camera to be deployed independent of the primary jet truck, allowing us to view the jetting effort in real time from an upstream manhole.

The old equipment will be retained and used for general maintenance operations where the increased capabilities are not necessary. This will allow for a second crew that will be dedicated to preventative maintenance jetting operations and manhole inspections. This will get us closer to the goal of inspecting all manholes every year and jetting all mains on a 1-5 year frequency, depending on need (grease, roots, flow rate, etc.) The inspection frequency will be determined as part of the sanitary sewer master plan project.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	7	Materials		
Est. Total Cost	300,000	Other Contracts	5395306.9623	\$ 300,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 300,000
Balance to be funded ¹	300,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	300,000						300,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	300,000	-	-	-	-	-	300,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	5,000	5,100	5,202	5,306	5,412	26,020

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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Sewer
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
S0904	Sanitary Sewer Study and Repairs	Various Locations	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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, in addition to the cleaning, we have identified and repaired a series of deficiencies along Rahway Drive that have significantly reduced the incidence of the sewer back up warning system activation. We have recently completed a large scale sewer investigation around Kells Avenue, Academy Street, and the south end of South Chapel Street, which will eliminate the recurrent sewer backups experienced on Kells Avenue. We anticipate having a contract to make repairs advertised during the fall of 2015.

In 2016, we will primarily be focused on making repairs to previously identified issues and investigating the cool run interceptor, which takes sewage from an area roughly corresponding with the Christina Creek watershed. Without this effort we will continue to respond to emergencies as they develop without a coordinated plan to deal with the underlying cause of the problems. The funds programmed in the out years are intended to deal with problems identified in the cleaning and investigation phase of the project. These amounts can be adjusted in the next capital budget as necessary, although expenses are expected to grow more quickly over the next couple of years as we inspect and repair our largest mains first. Beginning around 2019, we expect expenses to level out or perhaps decrease slightly as we move to smaller mains which are more easily accessed. Unlike water mains, we aim to make as many repairs using trenchless technology as possible. A downside of this is that the expected life is only 50 years versus 75-100 year life of new mains. The cost savings more than offsets this reduced lifespan.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	50+	Materials		
Est. Total Cost	3,464,787	Other Contracts	5395306.9760	\$ 3,387,500
Est. Spend @ 12/31 (if underway) ¹	77,287	Total Project Cost		\$ 3,387,500
Balance to be funded ¹	3,387,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	2%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		181,654	600,000	700,000	750,000	750,000	2,981,654
CAPITAL RESERVES	405,846						405,846
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	405,846	181,654	600,000	700,000	750,000	750,000	3,387,500

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT-GENERAL FUND**

	2015 BUDGET	-----2016-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	TOTAL
R1501 Automated Yard Waste Carts	\$150,000	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$0	\$0	\$75,000
R9401 Transfer Station Closure Costs	231,734	0	0	0	0	0	0	0	0
REQSF Vehicle Replacement Program	0	1,078,000	0	1,078,000	436,000	0	175,125	0	1,689,125
H1601 Annual Street Program	1,000,000	670,849	329,151	1,000,000	1,323,550	1,347,807	1,372,791	1,398,524	6,442,672
H1602 ADA Handicap Ramp Transition Plan	90,000	30,000	90,000	120,000	120,000	120,000	120,000	120,000	600,000
H1603 Pothole Patcher	0	0	70,000	70,000	0	0	0	0	70,000
H1503 Newark Transportation Plan Implementation	20,000	322,241	57,759	380,000	0	0	0	0	380,000
H1403 Pedestrian Crossing Signalization	100,000	100,000	0	100,000	100,000	0	0	0	200,000
H1301 Storm Drainage Improvements	436,000	38,099	193,823	231,922	400,000	200,000	200,000	200,000	1,231,922
H1303 Cherry Hill Manor Service Road	130,920	0	0	0	0	0	0	0	0
H0206 Municipal Bldg Parking Lot Improvements	0	0	30,000	30,000	520,000	0	0	0	550,000
HEQSF Vehicle Replacement Program	0	330,000	0	330,000	400,000	175,000	0	0	905,000
TEQSF Vehicle Replacement Program	0	0	0	0	87,000	0	0	0	87,000
Total Public Works-General Fund	\$2,158,654	\$2,569,189	\$795,733	\$3,364,922	\$3,411,550	\$1,867,807	\$1,867,916	\$1,718,524	\$12,230,719
GROSS CAPITAL IMPROVEMENTS	\$2,158,654	\$2,569,189	\$795,733	\$3,364,922	\$3,411,550	\$1,867,807	\$1,867,916	\$1,718,524	\$12,230,719
LESS: USE OF RESERVES	(443,159)	(312,189)	0	(312,189)	0	0	0	0	(312,189)
VEHICLE & EQUIPMENT REPLACEMENT	0	(1,408,000)	0	(1,408,000)	(923,000)	(175,000)	(175,125)	0	(2,681,125)
GRANTS	(825,105)	(849,000)	0	(849,000)	(745,000)	(545,000)	(545,000)	(545,000)	(3,229,000)
BOND ISSUES	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS	\$890,390	\$0	\$795,733	\$795,733	\$1,743,550	\$1,147,807	\$1,147,791	\$1,173,524	\$6,008,405

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Refuse
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
R1501	Yard Waste Automation - Yard Waste Carts	Various Locations	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input checked="" type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level Project underway and must be completed		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This is a continuation of the 2015 yard waste automation project. In 2015 we purchased and delivered 2,875 yard waste carts and processed reimbursement to the approximately 200 residents who had previously purchased a yard waste cart. Overall, the program was very well received and we expect to have additional demand in the coming years. In total, we have approximately 6,700 residential customers, which means we have only served around half with carts so far, although many will likely opt to re-use one of their existing carts for yard waste so we don't anticipate having to provide all customers with carts.

We anticipate the need to purchase approximately 500 carts per year over the next three years at a cost of approximately \$50 per cart. The program will extend or terminate early depending on feedback and demand.

For ongoing maintenance costs, we assumed a 15 year life with replacement necessary for 1/15th of the installed cart base in each year through 2019. In 2020 we assumed we have completed distribution at which time maintenance costs will escalate with inflation, assumed at 2% per year.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)	15	Materials	3063006.9622	\$ 75,000
Est. Total Cost	225,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹	150,000	Total Project Cost		\$ 75,000
Balance to be funded ¹	75,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	67%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		25,000	25,000	25,000			75,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	25,000	25,000	25,000	-	-	75,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	10,000	11,666	13,333	15,000	15,300	65,299	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Refuse
PROJECT NO: REQSF	PROJECT TITLE: Equipment Replacement Program	PROJECT LOCATION: N/A	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	1,689,125	Other Contracts	3063026.9623	\$ 1,689,125
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 1,689,125
Balance to be funded ¹	1,689,125	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		1,078,000	436,000		175,125		1,689,125
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	1,078,000	436,000	-	175,125	-	1,689,125

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
 VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, REFUSE DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS					
									2016	2017	2018	2019	2020	
REFUSE COLLECTION														
409	2006 Int'l 7400 One-Man Packer	09/12/05	146,659	74,441	65,000	8	2013	2017		271,000				
410	2015 Peterbuilt 320 Cabover Tractor	11/30/14	115,990	11,393	65,000	8	2023	2023						
411	2006 Int'l 7500 Refuse Truck	03/29/06	151,458	81,431	65,000	8	2014	2016	271,000					
418	2008 Int'l 7400 Refuse Truck	07/29/08	117,075	45,322	65,000	8	2016	2017		165,000				
423	2009 Int'l 7400 Refuse Truck	06/11/09	151,775	60,226	85,000	8	2017	2019				175,125		
453	2006 Int'l 7400 Refuse Truck	03/30/06	182,452	84,872	75,000	8	2014	2016	271,000					
454	2006 Int'l 7500 Refuse Truck	02/12/05	177,652	84,453	65,000	8	2013	2016	265,000					
456	2004 Int'l 7400 One-man Packer	01/16/04	124,302	88,236	65,000	8	2012	2016	271,000					
SPECIAL COLLECTION														
440	2011 Freightliner Knuckleboom	06/17/11	116,148	28,465	100,000	10	2021	2021						
441	1997 Int'l Knuckleboom	12/31/96	67,190	--										
TOTAL REFUSE DIVISION									\$1,078,000	\$436,000	\$0	\$175,125	\$0	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Street
PROJECT NO: H1601	PROJECT TITLE: Annual Street Program	PROJECT LOCATION: Various Locations	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Annual program required to sustain transportation infrastructure. As of the end of 2014 the City has experienced an increase in hot mix costs of more than 50% over the past ten years and has also seen a 12-15% drop in overall road condition over the same period. 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 but there are no more data to use moving forward.

We are looking to contract out our road surface survey to a company that performs automated conditions surveys via a driveby survey van. We were unable to complete the 2014 survey due to poor weather late into the spring when we normally have inspector availability. Automation of the survey will expedite the process and eliminate the possibility of a missed survey year, while at the same time ensuring our conditions surveys aren't affected by personnel changes, mood, weather, expectations, etc. The survey company will then perform a similar Agile Assets analysis to what was performed in 2010 and provide an optimized, data driven work plan for the following year.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2002	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	6,442,672	Other Contracts	3063006.9760	\$ 6,442,672
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 6,442,672
Balance to be funded ¹	6,442,672	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		329,151	808,550	832,807	857,791	883,524	3,711,823
CAPITAL RESERVES	155,849						155,849
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)		515,000	515,000	515,000	515,000	515,000	2,575,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	155,849	844,151	1,323,550	1,347,807	1,372,791	1,398,524	6,442,672

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Streets	
PROJECT NO: H1602	PROJECT TITLE: ADA Handicap Ramp Transition Plan		PROJECT LOCATION: Various Locations
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Inclusive Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The US Department of Justice per ADA (American with Disabilities Act) requires incorporated communities to establish a transition plan to upgrade their public facilities to ADA standards. We currently have 406 ramps that don't meet ADA standards out of a total of 1,632 ramps. This is down from the first year of the program when there were 1076 ramps out of compliance. Using today's pricing of approximately \$2,500 per ramp and 3% inflation will require \$120,000 per year for the next nine years.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2025	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	600,000	Other Contracts	3063006.9760	\$ 600,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 600,000
Balance to be funded ¹	600,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		90,000	90,000	90,000	90,000	90,000	450,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) CDBG		30,000	30,000	30,000	30,000	30,000	150,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	120,000	120,000	120,000	120,000	120,000	600,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Streets
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
H1603	Pothole Patcher	Maintenance Yard	
PROJECT STATUS (CHECK ONE):	<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

During the winter months when most potholes occur, our only method to fill them is using temporary cold mix asphalt (cold patch) as hot mix plants are closed normally from early December through the beginning of April. Cold patch does not create a permanent repair and we often end up filling and refilling as often as every couple of days depending on the weather. This project proposes to purchase a pothole patcher that melts and recycles used pavement millings to allow for permanent repairs year round. In order to melt recycled pavement millings it will require the use of fuel but we expect that this cost will be more than offset by the reduction in purchases of expensive cold patch asphalt and a significant reduction in manpower and effort from not having to revisit the same pothole more than once.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	7	Materials		
Est. Total Cost	70,000	Other Contracts	3063006.9622	\$ 70,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 70,000
Balance to be funded ¹	70,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		70,000					70,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	70,000	-	-	-	-	70,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Streets	
PROJECT NO: H1503	PROJECT TITLE: Newark Transportation Plan Implementation		PROJECT LOCATION: Various Locations
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level		Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

During 2015, the PWWR Department, in coordination with the DNP and our community affairs officer prepared and submitted a "Transportation Alternatives Program" grant application for a project that would expand on the already successful curb extensions on Main Street. The current crossings would be extended to the full length of the no parking areas, preventing the illegal parking of vehicles just upstream of crosswalks that block the view of pedestrians to oncoming drivers. These new sidewalk areas will be used to install benches that can be used by the disabled and senior citizens to rest while walking on Main Street. Additional bike parking will be included in the islands, promoting alternative transportation methods. The project scored very well and DeIDOT has indicated that they plan to fund it in 2016. This grant program is a 80:20 match meaning we get \$4 in grant funding for every \$1 put up by the City. Due to the granular nature of the project it can be reduced in scope and completed as a series of smaller projects but I am not sure at this time how that would affect the grant funding.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	380,000	Other Contracts	3063006.9760	\$ 380,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 380,000
Balance to be funded ¹	380,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		57,759					57,759
CAPITAL RESERVES	18,241						18,241
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) DeIDOT		304,000					304,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	18,241	361,759	-	-	-	-	380,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Streets
PROJECT NO: H1403	PROJECT TITLE: Pedestrian Crossing Signalization	PROJECT LOCATION: Various Locations	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Pedestrian crossings on Delaware Avenue and East Main Street at the UD Green cause significant traffic delay during the school year due to the unsignalized nature of the crossings and the close proximity to intersections with South College Avenue. This project proposes, through a partnership with DeIDOT, 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 DeIDOT 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.

DeIDOT will design and construct the signal with funding from the City. We will need to coordinate with UD on the design and construction scheduling. Each signal is currently estimated to cost approximately \$100,000. We plan to complete the East Main Street crossing in late 2015 early 2016 and the Delaware Avenue crossing in summer 2017.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	200,000	Other Contracts	3063006.9770	\$ 200,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 200,000
Balance to be funded ¹	200,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			100,000				100,000
CAPITAL RESERVES	100,000						100,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	100,000	-	100,000	-	-	-	200,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	160	163	166	170	173	833	

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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Street
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
H1301	Storm Drainage Improvements	Various Locations	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input checked="" type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Based on the conditions noted on inspection of corrugated metal pipe, it is recommended that the city contract out the inspection of all CMP inventoried in 2011. Based on notable deterioration of this type of pipe, it is recommended to budget \$200,000 annually until all CMP pipe is inspected, repaired or replaced as required.

In addition to the above, we have experienced flooding of Paper Mill Road causing the road to close several times over the last two years. We have identified a partially failed culvert system under the park entrance over Jenny's Run which needs to be removed or replaced. We have completed the design and bid documents and will bid out the project in late 2015. Permit requirements limit the available construction window to late winter due to potential bog turtle habitat upstream from the project site.

Following the repairs to the Paper Mill culvert we intend to begin investigating the culvert under Timberline Drive that is undersized, resulting in the road overtopping during heavy rains. The neighborhood beyond this culvert location does not have a second means of egress so when the road is overtopped, vehicular access is totally cut off. We will also investigate the potential for emergency access roads that could be used during storms to get out of the isolated areas of the development.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2013	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	Perpetual	Labor		
Est. Useful Life (in years)	75+	Materials		
Est. Total Cost	1,231,922	Other Contracts	3063006.9720	\$ 1,231,922
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 1,231,922
Balance to be funded ¹	1,231,922	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		193,823	400,000	200,000	200,000	200,000	1,193,823
CAPITAL RESERVES	38,099						38,099
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	38,099	193,823	400,000	200,000	200,000	200,000	1,231,922

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Streets	
PROJECT NO: H0206	PROJECT TITLE: Municipal Building Parking Lot Improvements		PROJECT LOCATION: City Hall
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

The project was modified this year to undertake an internal study of different design and construction options to ensure that the most cost effective and efficient lot configuration is done. In addition, we would like to evaluate the potential for adding solar panels over the spaces to offset the building's energy consumption and provide covered parking. Any green component of the project would be funded with State of Delaware green energy funding and we would encourage CAC participation in the project evaluation process. Construction is not anticipated until 2017.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2002	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	15	Materials		
Est. Total Cost	550,000	Other Contracts	3063006.9620	\$ 550,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 550,000
Balance to be funded ¹	550,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		30,000	320,000				350,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) GREEN ENERGY			200,000				200,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	30,000	520,000	-	-	-	550,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Streets
PROJECT NO: HEQSF	PROJECT TITLE: Equipment Replacement Program	PROJECT LOCATION:	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	905,000	Other Contracts	3063026.9623	\$ 905,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 905,000
Balance to be funded ¹	905,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		330,000	400,000	175,000			905,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	330,000	400,000	175,000	-	-	905,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, STREET DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2016	2017	2018	2019	2020
FOREMAN'S TRUCK													
504	2012 Ford Pickup Truck 4X4	09/21/12	26,245	23,876	110,000	10	2022	2022					
515	2013 Ford F150 Pickup	06/28/13	19,994	24,567	95,000	10	2023	2023					
SIGNS & PAINTING													
551	2012 Ford F450 Stake Truck	01/20/12	50,759	29,157	100,500	8	2020	2022					
DUMP TRUCKS													
522	2015 Ford F-650	07/31/15	106,500	295	75,000	10	2025	2025					
523	2012 International 7400 SBA	a. 10/14/11	216,985	13,349	75,000	7	2018	2018			175,000		
528	2002 Int'l 4900 Dump Truck	08/31/01	88,107	53,973	100,000	10	2011	2016	165,000				
542	2006 Ford SuperDuty F-350 Dump	08/18/06	32,046	61,606	85,000	10	2016	2017		45,000			
550	2004 Int'l 7400 Dump Truck	11/21/03	95,845	53,934	75,000	10	2013	2016	165,000				
553	2013 Intl 7400 Dump Truck/Swap Load	b. 03/28/13	216,985	9,666	80,000	10	2023	2023					
554	2004 Int'l 7400 Dump Truck	11/21/03	95,845	52,712	60,000	10	2013	2017		165,000			
OTHER EQUIPMENT													
508	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	2017		60,000			
511	2013 Case 590 SM Loader/Backhoe	01/07/14	92,375	--	--	9	2023	2026					
531	2003 JCB Model 426 Loader	11/07/03	93,872	--	--	10	2013	2017		130,000			
TOTAL STREET DIVISION									\$330,000	\$400,000	\$175,000	\$0	\$0

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

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Engineering
PROJECT NO: TEQSF	PROJECT TITLE: Equipment Replacement Program	PROJECT LOCATION:	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 PLANNING ADVANCE FUNDING ACCUMULATED THROUGH DEPRECIATION TO REPLACE ESSENTIAL EQUIPMENT WHEN NECESSARY. SEE ATTACHED SCHEDULE.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	VARIOUS	Materials		
Est. Total Cost	87,000	Other Contracts	3063026.9623	\$ 87,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 87,000
Balance to be funded ¹	87,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			87,000				87,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	87,000	-	-	-	87,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

**CITY OF NEWARK, DELAWARE
 VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, ENGINEERING DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2016	2017	2018	2019	2020
STAFF CARS													
714	2015 Ford F-350 SD Pickup	11/30/14	30,978	3,128	85,000	10	2025	2025					
735	2002 Dodge Ram 1500 Pickup	04/26/02	13,543	78,190	80,000	10	2012	2017		21,000			
INSPECTORS													
700	2001 Jeep Cherokee 4X4	03/16/01	18,814	51,518	65,000	10	2011	2017		24,000			
711	2003 Dodge Ram 1500 Pickup	09/13/02	14,980	52,474	52,000	10	2012	2017		21,000			
748	2003 Chevrolet 1500 Pickup	06/06/03	12,488	53,085	60,000	10	2013	2017		21,000			
SURVEY VAN													
746	2013 Ford Van Transit Connect	08/30/13	21,806	6,930	99,000	10	2023	2025					
TOTAL ENGINEERING DIVISION									\$0	\$87,000	\$0	\$0	\$0

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CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT-MAINTENANCE FUND

	2015 BUDGET	-----2016-----		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	2016	2017	2018	2019	2020	TOTAL
M1401 Truck Lift Systems Improvements	\$95,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
M1301 UST Concrete Slab Replacement	0	0	0	0	30,000	0	0	0	30,000
M1101 Maint Yard Master Plan/Salt Shed Replacement	200,000	221,647	128,353	350,000	0	0	0	0	350,000
MEQSF Vehicle Replacement Program	35,000	0	0	0	25,000	0	0	0	25,000
Total Public Works-Maintenance Fund	\$330,000	\$221,647	\$128,353	\$350,000	\$55,000	\$0	\$0	\$0	\$405,000
GROSS CAPITAL IMPROVEMENTS	\$330,000	\$221,647	\$128,353	\$350,000	\$55,000	\$0	\$0	\$0	405,000
LESS: USE OF RESERVES	0	(221,647)	0	(221,647)	0	0	0	0	(221,647)
VEHICLE & EQUIPMENT REPLACEMENT	(35,000)	0	0	0	(25,000)	0	0	0	(25,000)
GRANTS	0	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS	\$295,000	\$0	\$128,353	\$128,353	\$30,000	\$0	\$0	\$0	\$158,353

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Maintenance	
PROJECT NO: M1301	PROJECT TITLE: UST Slab Replacement or UST Removal		PROJECT LOCATION: Maintenance Yard
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: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The concrete pad over the underground storage tank is cracked, chipped and spalling. This slab needs to be replaced by a certified contractor followed by testing of lines and tank. This was being considered for 2014, but the inspection went very well, and we addressed the most critical cracks/chips alternatively with operating funds. We explored the possibility of moving away from underground storage, but the removal of the tanks in favor of a fuel card system was not cost effective and would require above-ground emergency fuel storage. For those reasons, only the \$30,000 slab repair cost will be undertaken as part of this project.

Estimated Costs:
 Slab Repairs: \$30,000
 UST Removal & Emergency Backup \$150,000

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	15+	Materials		
Est. Total Cost	30,000	Other Contracts	6006006.9620	\$ 30,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 30,000
Balance to be funded ¹	30,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			30,000				30,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	30,000	-	-	-	30,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Maintenance
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
M1101	Maint. Yard Master Plan and New Salt Shed	Maintenance Yard	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input checked="" type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level Project underway and must be completed		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The old warehouse has a failing roof and is generally in very poor condition, including uninhabitable rooms and several failures of the fire protection system due to freezing. Additionally, the warehouse is not designed in a way that provides an efficient use of very limited space at the maintenance yard. With the increasing size of certain vehicles in the City fleet and the recognition that vehicles and equipment kept out of the weather last longer, we feel that replacing the old warehouse with new open bay pole barns will result in a much better use of capital funds.

In addition, our current salt shed is undersized to properly handle the annual deicing needs and expectations of a City the size of Newark, and it has experienced multiple wall failures which required repair to prevent condemnation due to the risk of structural failure. Due to NPDES requirements, we need to leave the salt under cover from rainfall at all times. For this reason we will need to construct the new salt shed before we can deconstruct the old shed. The most obvious location for the salt shed replacement is in the old warehouse location. We can then construct additional storage in the location of old shed once it is demolished following construction.

This study began in 2015 but was placed on hold due to the refuse outsourcing investigation. If refuse is outsourced, the City's fleet will be reduced by 14 units and 7 covered bays will become available, significantly reducing the amount of work necessary to accommodate the City's current and future needs.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor	6006006.9620	\$ 10,000
Est. Useful Life (in years)	25+	Materials	6006006.9620	\$ 20,000
Est. Total Cost	370,000	Other Contracts	6006006.9620	\$ 320,000
Est. Spend @ 12/31 (if underway) ¹	20,000	Total Project Cost		\$ 350,000
Balance to be funded ¹	350,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		128,353					128,353
CAPITAL RESERVES	221,647						221,647
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	221,647	128,353	-	-	-	-	350,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Maintenance
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
MEQSF	Equipment Replacement Program	N/A	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 Planned advance funding accumulated through depreciation to replace essential equipment when necessary. See attached schedule.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	Ongoing	Labor		
Est. Useful Life (in years)	Various	Materials		
Est. Total Cost	25,000	Other Contracts	6006006.9623	\$ 25,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 25,000
Balance to be funded ¹	25,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			25,000				25,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	25,000	-	-	-	25,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
 VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, MAINTENANCE DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS						
									2016	2017	2018	2019	2020		
	MECHANICS														
650	2006 Ford F350 Pickup Truck	01/19/06	17,805	32,810	89,000	10	2016	2017		25,000					
652	2001 Dodge Ram Van	a. 03/09/01	17,114	94,028	75,000	10	2011	2015							
TOTAL MAINTENANCE DIVISION										\$0	\$25,000	\$0	\$0	\$0	

a. The existing vehicle will be reclassified to Code Enforcement to serve maintenance crew. The replacement budgeted in 2015 is a service truck.

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**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
POLICE DEPARTMENT-GENERAL FUND**

	2015 BUDGET	-----2016-----		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	2016	2017	2018	2019	2020	TOTAL
C1601 Taser X26P Replacement	\$0	\$18,270	\$0	\$18,270	\$18,270	\$18,270	\$18,270	\$18,270	\$91,350
C1501 Leica Geosystems - Total Station	0	0	35,000	35,000	0	0	0	0	35,000
C1401 Ballistic Vests	3,500	20,018	6,177	26,195	5,223	2,690	15,698	13,315	63,121
C1001 Patrol Rifles	61,000	0	0	0	0	0	0	0	0
CEQSF Vehicle Replacement Program	37,500	176,500	0	176,500	376,000	0	160,000	300,000	1,012,500
Total Police	\$102,000	\$214,788	\$41,177	\$255,965	\$399,493	\$20,960	\$193,968	\$331,585	\$1,201,971
GROSS CAPITAL IMPROVEMENTS	\$102,000	\$214,788	\$41,177	\$255,965	\$399,493	\$20,960	\$193,968	\$331,585	1,201,971
LESS: USE OF RESERVES	0	0	0	0	0	0	0	0	0
VEHICLE & EQUIPMENT REPLACEMENT	(37,500)	(214,788)	0	(214,788)	(394,270)	(18,270)	(178,270)	(318,270)	(1,123,868)
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	\$64,500	\$0	\$41,177	\$41,177	\$5,223	\$2,690	\$15,698	\$13,315	\$78,103

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: POLICE		DIVISION:
PROJECT NO: C1601	PROJECT TITLE: TASER X26P REPLACEMENT	PROJECT LOCATION: POLICE STATION
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The Taser is a less lethal weapon utilized by officers to defend themselves or others from aggressive or actively resistant persons while reducing the risk of receiving or inflicting injury. The manufacturer warranties the X26P for a period of 5 years.

Our existing inventory of tasers are in need of replacement. A taser & holster costs a total of \$1,305 each in 2016. Our plan is to replace 14 tasers per year for the next five years at a cost of \$18,270 per year.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ANNUAL	Labor		
Est. Useful Life (in years)	5	Materials	3063026.9622	\$ 91,350
Est. Total Cost	91,350	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 91,350
Balance to be funded ¹	91,350	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		18,270	18,270	18,270	18,270	18,270	91,350
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	18,270	18,270	18,270	18,270	18,270	91,350

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							-

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

DEPARTMENT:	POLICE	DIVISION:	
PROJECT NO: C1501	PROJECT TITLE: LEICA GEOSYSTEMS- TOTAL STATION	PROJECT LOCATION: POLICE STATION	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The total station is used to analyze collision and crime scenes. The system utilizes laser measurement and GPS software to create precise and accurate scene drawings for analysis and court presentations. Presently, outside agencies are requested to take measurements at serious/fatal crashes. The Newark Police Department Evidence Detection Unit (EDU) takes hand measurements at crime scenes and create free hand diagrams. This is an arduous task when dealing with complex or large scale scenes.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	10	Materials	3063006.9622	\$ 35,000
Est. Total Cost	35,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 35,000
Balance to be funded ¹	35,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		35,000					35,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	35,000	-	-	-	-	35,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)		496	496	496	496	1,984

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

DEPARTMENT: POLICE		DIVISION:	
PROJECT NO: C1401	PROJECT TITLE: BALLISTIC VESTS		PROJECT LOCATION: POLICE STATION
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The ballistic vests are necessary to ensure the safety of police officers. Ballistic vests have a five-year expiration date. 31 vests expire in 2016 and must be replaced, 6 expire in 2017, 3 expire in 2018, 17 expire in 2019, 14 expire in 2020. The cost of each vest is \$845 (2016) and assumed to increase by 3% per year.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	5	Materials	3063006.9622	\$ 63,121
Est. Total Cost	63,121	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 63,121
Balance to be funded ¹	63,121	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		6,177	5,223	2,690	15,698	13,315	43,103
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		20,018					20,018
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	26,195	5,223	2,690	15,698	13,315	63,121

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT:	POLICE	DIVISION:	
PROJECT NO: CEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT PROGRAM	PROJECT LOCATION: POLICE STATION	
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	1,012,500	Other Contracts	3063026.9623	\$ 1,012,500
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 1,012,500
Balance to be funded ¹	1,012,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		176,500	376,000		160,000	300,000	1,012,500
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	176,500	376,000	-	160,000	300,000	1,012,500

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
POLICE DEPARTMENT PAGE 1 OF 2**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS					
									2016	2017	2018	2019	2020	
STAFF CARS														
921	2003 Ford Crown Victoria	a. 07/02/03	19,938	77,081	65,000	10	2016	2016	30,000					
924	2013 Chevy Caprice PPV Patr	06/28/13	32,854	23,280	65,000	10	2022	2022						
927	2006 Ford Crown Victoria	08/11/06	23,093	59,300	75,000	10	2016	2017		30,000				
PATROL														
900	2105 Chevy Tahoe C1500	12/22/14	38,203	3,510	75,000	5	2021	2021						
905	2014 Chevy Caprice PPV Patrol	04/03/14	28,485	15,757	75,000	5	2019	2020						40,000
906	2105 Chevy Tahoe C1500	12/22/14	36,499	11,308	105,000	5	2021	2021						
907	2013 Chevy Caprice PPV Patrol	06/28/13	33,392	32,723	75,000	5	2018	2020						40,000
909	2014 Chevy Caprice PPV Patrol	09/30/14	30,670	18,754	120,000	5	2019	2021						
910	2012 Chevy Caprice PPV Patrol	07/26/12	34,910	58,127	110,000	5	2017	2020						40,000
914	2015 Chevy Tahoe 4X4 PPV	08/03/15	31,840	430	85,000	7	2022	2022						
915	2012 Chevy Caprice PPV Patrol	08/02/12	34,882	56,540	110,000	5	2017	2020						40,000
918	2010 Ford Crown Victoria	08/12/10	27,787	97,670	75,000	5	2015	2017		30,000				
923	2010 Ford Crown Victoria	08/12/10	28,151	92,655	75,000	5	2015	2017		30,000				
925	2010 Ford Crown Victoria	08/12/10	27,787	88,751	75,000	5	2015	2017		30,000				
926	2011 Ford Crown Victoria	07/29/11	29,584	82,926	75,000	5	2016	2019					40,000	
928	2010 Ford Crown Victoria	08/12/10	28,151	94,834	75,000	5	2015	2017		30,000				
929	2008 Ford Crown Victoria	05/28/08	21,001	67,847	100,000	5	2013	2017		30,000				
931	2015 Chevy Tahoe 4X4 PPV	09/22/15	33,834	0	75,000	7	2022	2022						
935	2012 Chevy Caprice PPV Patrol	07/26/12	34,846	60,929	75,000	5	2017	2020						40,000
936	2011 Ford Crown Victoria	01/21/11	28,373	76,371	75,000	5	2016	2019					40,000	
937	2006 Ford E-350 Super Van	12/08/06	26,800	2,926	15,000	10	2016	2021						
941	2012 Chevy Caprice PPV Patrol	10/12/12	39,103	25,472	110,000	5	2017	2020						40,000
991	2009 Ford F250 3/4 Ton Pickup	04/24/09	37,488	50,195	80,000	10	2019	2019					40,000	
994	2008 Ford Crown Victoria	05/09/08	24,420	70,688	75,000	5	2013	2017		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 2016-2020
POLICE DEPARTMENT PAGE 2 OF 2**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2016	2017	2018	2019	2020
CRIMINAL													
911	2012 Chevy Impala	06/08/12	21,534	22,806	65,000	7	2019	2020					
912	2010 Ford Crown Victoria	05/28/10	23,474	52,786	65,000	7	2017	2017		30,000			
913	2013 Chevrolet Impala	08/09/13	22,644	23,266	65,000	7	2020	2020					30,000
920	2011 Ford Crown Victoria	07/22/11	24,414	28,184	75,000	7	2018	2019				40,000	
922	2003 Ford Crown Victoria	05/24/02	20,293	99,236	65,000	7	2009	2017		30,000			
932	2004 Ford 15 Passenger Van	03/19/04	19,307	13,860	75,000	10	2014	2017		24,000			
938	2005 Ford Excursion	01/28/08	N/A	28,556	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	06/24/05	5,911	16,994	80,000	10	2015	2016		18,500			
903	2005 Harley Davidson	06/24/05	5,911	13,815	80,000	10	2015	2016		18,500			
904	2005 Harley Davidson	05/20/05	5,911	13,001	80,000	10	2015	2016		18,500			
908	2010 Chevrolet Tahoe K1500 LS	08/05/10	35,596	55,481	90,000	7	2017	2017			25,000		
917	2006 Dodge Charger	10/13/06	23,470	86,438	75,000	7	2013	2016		39,000			
930	2008 Ford Crown Victoria	08/13/08	21,985	119,939	80,000	7	2015	2016		52,000			
934	2006 Dodge Durango	03/02/06	21,545	81,628	75,000	8	2014	2017			27,000		
939	2008 Ford Crown Victoria	08/13/08	21,985	77,866	80,000	7	2015	2017			30,000		
TOTAL POLICE DEPARTMENT									\$176,500	\$376,000	\$0	\$160,000	\$300,000

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**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
PARKS & RECREATION DEPARTMENT-GENERAL FUND**

	2015 BUDGET	-----2016-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	TOTAL
K1601 Bicycle/Pedestrian Bridge-Curtis Mill/Kershaw	\$0	\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
K1602 Picnic Shelter-Folk Park	0	0	45,000	45,000	0	0	0	0	45,000
K1603 Wood/Brush Chipper	0	0	41,000	41,000	0	0	0	0	41,000
K1604 Pool Resurfacing	0	0	25,000	25,000	0	0	0	0	25,000
K1605 Redd Park Trail Improvements	0	16,000	4,000	20,000	0	0	0	0	20,000
K1501 Iron Glen Park Master Plan	0	0	0	0	50,000	0	0	0	50,000
K1502 Fitness Stations	0	0	20,000	20,000	20,000	0	0	0	40,000
K1503 Tree Inventory	52,000	0	0	0	0	0	0	0	0
K1301 Hard Surface Facility Improvements	150,000	31,500	0	31,500	790,000	320,000	120,000	175,000	1,436,500
K1303 Facilities Accessibility	25,000	40,000	0	40,000	45,000	45,000	0	0	130,000
K1304 Maintenance Pickup Truck	30,000	0	0	0	0	0	0	0	0
K1305 Trail Improvements	0	0	0	0	65,000	0	0	0	65,000
K1202 Kershaw Park Lot Improvements	0	0	0	0	350,000	0	0	0	350,000
K1203 Old Paper Mill Park Improvements	0	0	0	0	0	600,000	1,200,000	0	1,800,000
K1005 Rittenhouse Footbridge Rehabilitation	0	25,000	10,000	35,000	0	0	0	0	35,000
K0908 Play Equip Purch-Rittenhouse,Phillips, Stafford	0	0	60,000	60,000	30,000	40,000	0	0	130,000
KEQSF Vehicle Replacement Program	99,000	30,000	0	30,000	270,000	0	25,000	20,000	345,000
Total Parks & Recreation	\$356,000	\$342,500	\$205,000	\$547,500	\$1,620,000	\$1,005,000	\$1,345,000	\$195,000	\$4,712,500
GROSS CAPITAL IMPROVEMENTS	\$356,000	\$342,500	\$205,000	\$547,500	\$1,620,000	\$1,005,000	\$1,345,000	\$195,000	\$4,712,500
LESS: USE OF RESERVES	(20,000)	(96,500)	0	(96,500)	(14,400)	0	0	0	(110,900)
VEHICLE & EQUIPMENT REPLACEMENT	(99,000)	(30,000)	0	(30,000)	(270,000)	0	(25,000)	(20,000)	(345,000)
GRANTS	0	(216,000)	0	(216,000)	(32,500)	0	0	0	(248,500)
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	\$237,000	\$0	\$205,000	\$205,000	\$1,303,100	\$1,005,000	\$1,320,000	\$175,000	\$4,008,100

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1601	PROJECT TITLE: BICYCLE/PEDESTRIAN BRIDGE	PROJECT LOCATION: CURTIS MILL AND KERSHAW PARKS AT PAPER MILL ROAD
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THIS PROJECT IS INCLUDED IN THE 2011 MASTER PLAN CREATED FOR CURTIS MILL PARK, KERSHAW PARKING LOT IMPROVEMENTS AND OLD PAPER MILL ROAD PARK. PLACEMENT OF A BICYCLE/PEDESTRIAN BRIDGE OVER THE WHITE CLAY CREEK CONNECTING CURTIS MILL PARK AND KERSHAW PARK. FEDERAL HIGHWAY ADMINISTRATION "ALTERNATIVE TRANSPORTATION PROGRAM" (TAP) FUNDING HAS BEEN SECURED FOR THE PROJECT IN THE AMOUNT OF \$1,000,000. THE FUNDS WILL BE DISTRIBUTED TO DELDOT. DELDOT AND THEIR CONSULTANT (WHITMAN REQUARDT) WILL DO THE PERMITTING, SURVEYING, CONSTRUCTION CONTRACT PREPARATION AND PROJECT OVER SITE. NEWARK WILL ASSUME MAINTENANCE RESPONSIBILITIES ONCE BUILT. THE PROJECT REQUIRES A 20% (\$200,000) LOCAL MATCH. WE HAVE RECEIVED APPROVAL FROM DTF FOR A \$200,000 GRANT TO FUND THE LOCAL MATCH REQUIREMENT.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	30	Materials		
Est. Total Cost	200,000	Other Contracts	3063006.9620	\$ 200,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 200,000
Balance to be funded ¹	200,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) DTF		200,000					200,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	200,000	-	-	-	-	200,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-

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

DEPARTMENT: PARKS AND RECREATION		DIVISION:	
PROJECT NO: K1602	PROJECT TITLE: PICNIC SHELTER	PROJECT LOCATION: FOLK PARK	
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:

WE HAVE RECEIVED SEVERAL REQUESTS FROM THE PUBLIC TO PLACE A PICNIC SHELTER AT FOLK. WE BELIEVE IT WILL BE A GOOD FIT FOR THE PARK AND GET EXTENSIVE USE. SHELTER WITH CONCRETE FLOOR AND PICNIC TABLES.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	40	Materials		
Est. Total Cost	45,000	Other Contracts	3063006.9620	\$ 45,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 45,000
Balance to be funded ¹	45,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		45,000					45,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	45,000	-	-	-	-	45,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)			NA	NA	NA	-	

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

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1603	PROJECT TITLE: WOOD/BRUSH CHIPPER	PROJECT LOCATION: PARK MAINTENANCE FACILITY
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

REQUESTING THE PURCHASE OF A SMALL CHIPPER FOR PARK TREE PRUNING, DEADWOODING AND REMOVAL OPERATIONS. THE UNIT WE WANT TO ACQUIRE CAN BE EASILY TRANSPORTED AND POSITIONED IN LOCATIONS WITH LIMITED ACCESS AND HAS THE CHIPPING CAPACITY THAT WILL MEET THE VAST MAJORITY OF OUR NEEDS. THE UNIT WILL ENABLE US TO CHIP TREE BRANCHES ON SITE THUS MAKING THE OPERATION MUCH MORE EFFICIENT. IT'S DIFFICULT TO QUANTIFY THE OPERATING IMPACT IN THAT EACH INDIVIDUAL JOB WILL INVOLVE VARYING SIZE TREES AND AMOUNTS OF DEBRIS TO BE CHIPPED. WE DO KNOW THAT FEEDING BRANCHES INTO A CHIPPER IS FAR LESS STRENUOUS AND LESS TIME CONSUMING THAN LIFTING THEM INTO THE BED OF A DUMP TRUCK. ONCE CHIPPED ON SITE THE TRUCK CAN SIMPLE GO TO THE STORAGE SITE AND DUMP. IN THAT WE COULD CHIP ON SITE REDUCING THE TREE MATTER TO A SMALL BY PRODUCT WE WILL REDUCE THE NUMBER OF TRIPS WE'D HAVE TO TAKE TO THE DUMP/STORAGE SITE IF CARRYING LARGE BRANCHES. DURING THE HOLIDAY SEASON THE CHIPPER WOULD BE AVAILABLE TO THE PWWR DEPARTMENT TO SUPPLEMENT THEIR CHRISTMAS TREE COLLECTION TASK.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	41,000	Other Contracts	3063006.9622	\$ 41,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 41,000
Balance to be funded ¹	41,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		41,000					41,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	41,000	-	-	-	-	41,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		400	400	400	400	1,600	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1604	PROJECT TITLE: POOL RESURFACING	PROJECT LOCATION: WILSON AND DICKEY PARK POOLS
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THE INNER WALLS AND FLOOR OF THE TWO POOLS NEED TO BE RESURFACED. THEY WERE LAST RESURFACED 11 YEARS AGO. THE SURFACES WILL RECEIVE A BOND COAT AND THEN RE-PLASTERED. THIS PROJECT WAS ALSO SUBMITTED AS A 42ND YEAR CDBG PROJECT. BOTH POOLS ARE IN THE CDBG TARGET AREAS. IF THAT FUNDING IS APPROVED CIP FUNDING WOULD SHIFT FROM CURRENT RESOURCES TO GRANT FUNDED SOURCES.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	12	Materials		
Est. Total Cost	25,000	Other Contracts	3063006.9620	\$ 25,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 25,000
Balance to be funded ¹	25,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		25,000					25,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	25,000	-	-	-	-	25,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)		NA	NA	NA	NA	-

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

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1605	PROJECT TITLE: REDD PARK TRAIL IMPROVEMENTS	PROJECT LOCATION: WILLIAM REDD PARK
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THIS REQUEST IS TO FUND THE COMPLETION OF TRAIL SURFACE AMENDMENTS AND TO PURCHASE MATERIALS TO CONSTRUCT AND INSTALL A FOOTBRIDGE OVER A TRIBUTARY OF JENNEY'S RUN FOR THE REDD PARK TRAIL NETWORK. DURING DISCUSSIONS WITH THE STATE WE WERE INFORMED THAT FUNDS ARE AVAILABLE TO COMPLETE THIS WORK. THUS, WE HAVE REQUESTED FUNDING THROUGH THE STATE'S RECREATION TRAILS PROGRAM (RTP). THE PROGRAM REQUIRES A 20% LOCAL MATCH.

THERE IS A HIGH DEGREE OF CERTAINTY THAT THE RTP FUNDS WILL BE AVAILABLE. HOWEVER, IF THE FUNDING IS NOT FORMALLY APPROVED, THIS PROJECT WILL BE DEFERRED.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	20,000	Other Contracts	3063006.9620	\$ 20,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 20,000
Balance to be funded ¹	20,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		4,000					4,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) RTP		16,000					16,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	20,000	-	-	-	-	20,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		NA	NA	NA	NA	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1501	PROJECT TITLE: IRON GLEN PARK MASTER PLAN	PROJECT LOCATION: IRON GLEN PARK, ELKTON ROAD
PROJECT STATUS (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: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

IN 1994 NEWARK ACQUIRED THIS 12.7 ACRE PARCEL. THE PURCHASE WAS PARTIALLY FUNDED BY THE DELAWARE LAND AND WATER CONSERVATION TRUST FUND (DTF). A STIPULATION WHEN USING DTF FUNDING IS THAT THE PROPERTY MUST BE UTILIZED FOR PUBLIC OUTDOOR RECREATION. FOR THE PAST 11 YEARS THE SITE HAS BEEN USED AS ONE OF THE CITY'S LEAF AND YARD WASTE SITES. THAT OPERATION IS BEING RELOCATED TO THE FORMER TRANSFER STATION SITE. THIS PROJECT IS TO COMPLETE A MASTER PLAN FOR THE PARKLAND.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	50	Materials		
Est. Total Cost	50,000	Other Contracts	3063006.9620	\$ 50,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 50,000
Balance to be funded ¹	50,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			50,000				50,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	50,000	-	-	-	50,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)		NA	NA	NA	NA	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1502	PROJECT TITLE: FITNESS STATIONS	PROJECT LOCATION: ALONG TRAILS: HALL, POMEROY, FOLK & KARPINSKI
PROJECT STATUS (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: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THE DEPARTMENT HAS RECEIVED REQUESTS TO INSTALL FITNESS STATIONS ALONG TRAILS. THIS PROGRAM STARTED IN 2015 WITH FOUR (4) STATIONS PLACED ALONG THE HALL TRAIL. THIS FIRST PHASE WAS FUNDED BY REVENUES FROM THE MAYOR'S MASQUERADE RUN. OTHER TRAILS: KARPINSKI PARK, FOLK PARK AND OLAN THOMAS PARK (POMEROY TRAIL).

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	12	Materials		
Est. Total Cost	40,000	Other Contracts	3063006.9622	\$ 40,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 40,000
Balance to be funded ¹	40,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		20,000	20,000				40,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	20,000	20,000	-	-	-	40,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	300	300	300	300	300	1,500	

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

DEPARTMENT: PARKS AND RECREATION		DIVISION:	
PROJECT NO: K1301	PROJECT TITLE: HARD SURFACE FACILITIES IMPROVEMENTS	PROJECT LOCATION: VARIOUS	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THE CITY'S INVENTORY OF HARD SURFACE FACILITIES, SUCH AS MULTI-PURPOSE COURTS, STREET HOCKEY COURTS, TENNIS COURTS, PARKING LOTS, HARD SURFACE TRAILS, BASKETBALL COURTS, ETC. ARE EVALUATED EACH YEAR AND SCHEDULED FOR PERIODIC REPLACEMENT, UPGRADES AND/OR RESURFACING. THE ATTACHED DOCUMENT EXHIBITS THE MOST RECENT SCHEDULE OF PROJECTS BY CIP YEAR.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	1,496,500	Other Contracts	3063006.9620	\$ 1,436,500
Est. Spend @ 12/31 (if underway) ¹	60,000	Total Project Cost		\$ 1,436,500
Balance to be funded ¹	1,436,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	ONGOING			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			775,600	320,000	120,000	175,000	1,390,600
CAPITAL RESERVES		31,500	14,400				45,900
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	31,500	790,000	320,000	120,000	175,000	1,436,500

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-	

Parks and Recreation
 Details for Capital Project No K1301- Hard Surface Facility Improvements

2016

Dickey Street Hockey Court: clean and fill cracks, apply resurfacer, sealer and line	15,000
Folk Tennis Court: crack patch and repair w/membrane system	14,000
Dickey, Handloff, Fairfield Crest, Lumbrook and White Chapel: Basketball Court: crack filling	<u>2,500</u>
	31,500

2017

Phillips Parking Lot: expansion and asphalt overlay due to increased park use with the addition of the skateboarding facility	45,000
Phillips Basketball Court: asphalt overlay and re-line	115,000
Hill Parking Lot: asphalt overlay	100,000
Handloff Parking Lot and Multi-Purpose: court asphalt overlay	210,000
Fairfield Crest, Kershaw, and Lewis Tennis Courts (5): Crack repair w/ membrane system	55,000
Kells Parking Lot: asphalt overlay	45,000
Folk Trail: asphalt overlay	70,000
Wilson Basketball Court and Parking Lot: asphalt overlay	<u>150,000</u>
	790,000

2018

Lumbrook Multi-Purpose Court and Parking Lot: asphalt overlay	60,000
Lewis Parking Lot: asphalt overlay	20,000

Karpinski Trail: asphalt overlay	48,000
White Chapel Basketball Court: asphalt overlay	12,000
Fairfield Multi-Purpose Court and Parking Lot: asphalt overlay	<u>180,000</u>
	320,000

2019

Dickey Parking Lot: asphalt overlay	120,000
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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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**CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: PARKS AND RECREATION		DIVISION:	
PROJECT NO: K1303	PROJECT TITLE: FACILITIES ACCESSIBILITY (ADA COMPLIANCE)	PROJECT LOCATION: VARIOUS	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" 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:		Inclusive Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

ADA COMPLIANT ACCESS TO PARK FACILITIES. FOLLOWING FEDERAL GUIDELINES, WE ARE INVOLVED IN A PROGRAM TO CREATE ACCESS TO AT LEAST 20% OF OUR FACILITIES TO INCLUDE: PLAYING COURT SITES, PLAYGROUND EQUIPMENT, PICNIC SHELTERS AND HARD SURFACE TRAILS.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	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) ¹	30,000	Total Project Cost		\$ 130,000
Balance to be funded ¹	130,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	19%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			45,000	45,000			90,000
CAPITAL RESERVES	40,000						40,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	40,000	-	45,000	45,000	-	-	130,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	NA	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1305	PROJECT TITLE: TRAIL IMPROVEMENTS	PROJECT LOCATION: FAIRFIELD CREST TO CREEK ROAD
PROJECT STATUS (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: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

SURFACE IMPROVEMENTS TO THE MAINTENANCE ROAD/TRAIL LEADING FROM FREMONT ROAD (FAIRFIELD CREST) TO CREEK ROAD AND NEARBY ACCESS TO THE POMEROY TRAIL. THE MAINTENANCE ROAD IS LOCATED WITHIN A UTILITY EASEMENT THE CITY HAS WITH THE U OF D. THE CITY WILL COMMIT TO MAKING THE IMPROVEMENTS AND LONG TERM MAINTENANCE 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. WILL ATTEMPT TO SECURE DTF GRANT FUNDING FOR THE PROJECT.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	65,000	Other Contracts	3063006.9620	\$ 65,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 65,000
Balance to be funded ¹	65,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			32,500				32,500
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) DTF			32,500				32,500
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	65,000	-	-	-	65,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)			2,800	2,800	2,800	8,400	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1202	PROJECT TITLE: KERSHAW PARK PARKING AREA IMPROVEMENTS	PROJECT LOCATION: KERSHAW PARK AT PAPER MILL ROAD
PROJECT STATUS (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: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

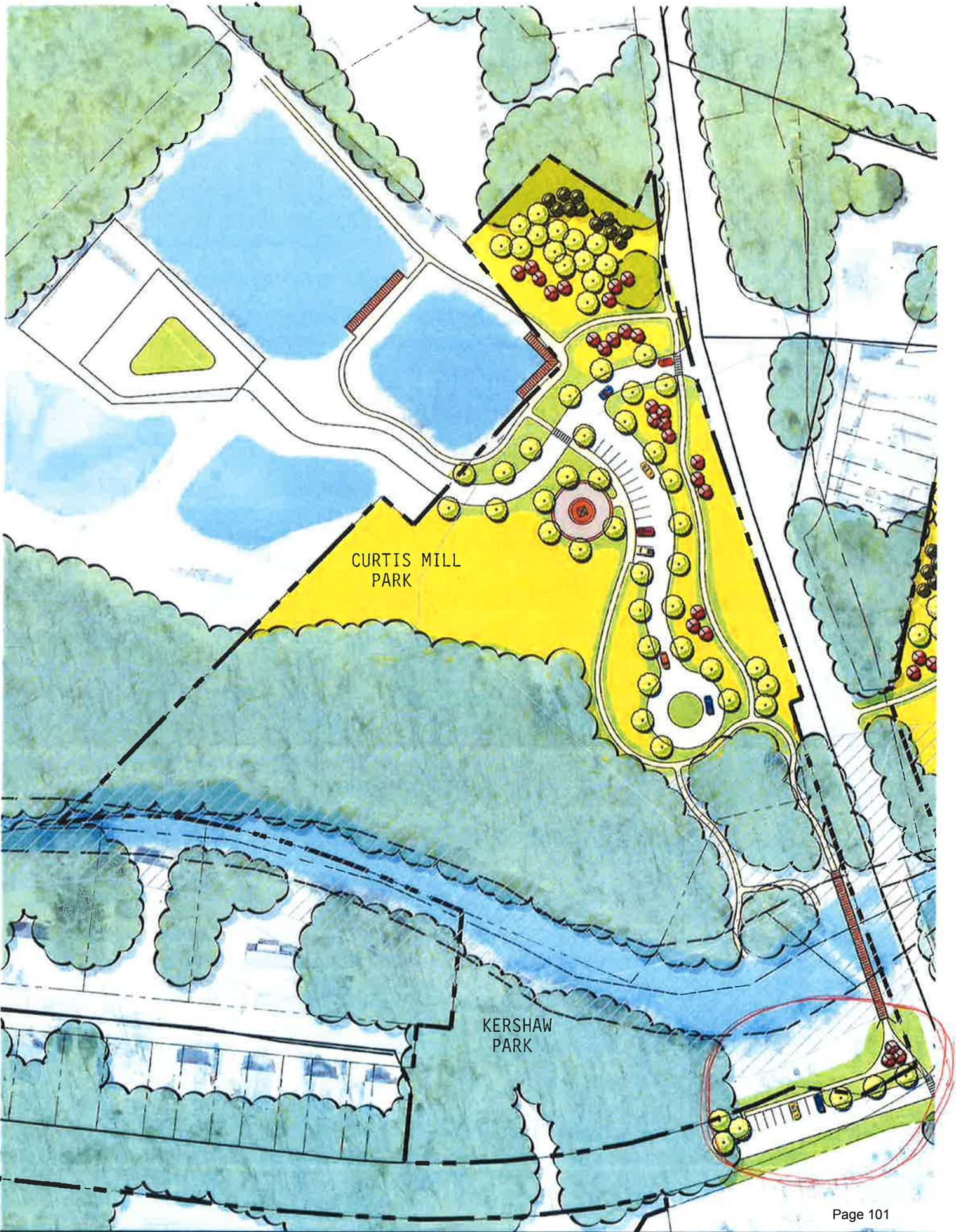
THIS PROJECT IS INCLUDED IN THE 2011 MASTER PLAN WHICH WAS CREATED FOR THIS SITE AS WELL AS CURTIS MILL PARK AND OLD PAPER MILL ROAD PARK. THE CURTIS MILL PARK PROJECT WAS COMPLETED IN 2015. PROJECT SCOPE: DESIGN AND ENGINEERING, SURVEY, PERMITTING, CONSTRUCTION CONTRACT PREPARATION, CONSTRUCTION, ENTRANCE IMPROVEMENTS, CONSTRUCTION MANAGEMENT AND LANDSCAPING.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	50	Materials		
Est. Total Cost	350,000	Other Contracts	3063006.9620	\$ 350,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 350,000
Balance to be funded ¹	350,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			350,000				350,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	350,000	-	-	-	350,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)				3,000	3,000	6,000	



CURTIS MILL
PARK

KERSHAW
PARK

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1203	PROJECT TITLE: OLD PAPER MILL ROAD PARK IMPROVEMENTS	PROJECT LOCATION: OLD PAPER MILL ROAD PARK
PROJECT STATUS (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: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 A MASTER PLAN FOR THIS PROJECT WAS COMPLETED IN 2011. NEW PARK CONSTRUCTION. PROJECT SCOPE: DESIGN AND ENGINEERING, SURVEY, PERMITTING, CONSTRUCTION CONTRACT PREPARATION, CONSTRUCTION MANAGEMENT AND PARK CONSTRUCTION. 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) ¹	-	Total Project Cost		\$ 1,800,000
Balance to be funded ¹	1,800,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES				600,000	1,200,000		1,800,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	600,000	1,200,000	-	1,800,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)					18,000	18,000	



1 CONCEPT MASTER PLAN



JUNE 2011

CURTIS PAPER MILL SITE & OLD PAPER MILL ROAD PARK MASTER PLAN

CITY OF NEWARK, NEW CASTLE COUNTY, DELAWARE



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

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K1005	PROJECT TITLE: FOOTBRIDGE REHABILITATION	PROJECT LOCATION: RITTENHOUSE PARK
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" 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: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

ADDRESS THE RUSTED AREAS AND REPAINT THE FOOTBRIDGE IN RITTENHOUSE PARK WHICH CROSSES THE CHRISTINA CREEK. THE BRIDGE WAS LAST REHABILITATED IN 1993. THE STRUCTURE IS A VERY IMPORTANT BICYCLE AND PEDESTRIAN CROSSING FOR THE CHRISTINA CREEK/MASON DIXON TRAIL.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2010	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	35,000	Other Contracts	3063006.9620	\$ 35,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 35,000
Balance to be funded ¹	35,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		10,000					10,000
CAPITAL RESERVES	25,000						25,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	25,000	10,000	-	-	-	-	35,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		NA	NA	NA	NA	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PARKS AND RECREATION		DIVISION:
PROJECT NO: K0908	PROJECT TITLE: CHILDREN'S PLAY EQUIPMENT	PROJECT LOCATION: VARIOUS
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS		
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 REPLACE OLD AND INSTALL NEW CHILDREN'S PLAY EQUIPMENT TO COMPLY WITH CURRENT ASTM AND CPSC STANDARDS. 2016 SCHEDULE: RITTENHOUSE PARK, PHILLIPS PARK, STAFFORD PARK AND HANDLOFF PARK

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

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		60,000	30,000	40,000			130,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	60,000	30,000	40,000	-	-	130,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: KEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT	PROJECT LOCATION:	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 PLANNED ADVANCE FUNDING TO REPLACE VEHICLES AND EQUIPMENT WHEN NECESSARY. SEE ATTACHED SCHEDULE.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	VARIES	Materials		
Est. Total Cost	345,000	Other Contracts	3063006.9623	\$ 345,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 345,000
Balance to be funded ¹	345,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		30,000	270,000		25,000	20,000	345,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	30,000	270,000	-	25,000	20,000	345,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
PARKS AND RECREATION DEPARTMENT**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS					
									2016	2017	2018	2019	2020	
STAFF CARS & TRUCKS														
1427	2012 Toyota Camry Hybrid	03/19/12	24,718	10,476	70,000	10	2022	2022						
1431	2006 Ford F-250 Pickup Truck	09/02/06	22,232	47,102	50,000	10	2016	2017		30,000				
1437	1999 Dodge Caravan	a/b 05/28/99	15,551	67,062	70,000	10	2009	2015						
HORTICULTURE														
1401	2009 Ford Ranger	04/03/09	13,482	34,812	85,000	10	2019	2019					25,000	
1426	2012 Ford F350 Crew Cab	07/13/12	30,639	17,931	110,000	10	2022	2024						
1435	2006 Ford F250 3/4 Ton Pickup	05/05/06	18,467	54,937	55,000	10	2016	2017		30,000				
1440	2003 Chevrolet 1500 Pickup	05/23/03	17,238	93,213	85,000	10	2013	2016	30,000					
PARK MAINTENANCE														
1430	2009 F350 1 Ton Pick-up	05/01/09	24,950	28,567	48,000	10	2019	2021						
1433	2001 Ford F-550 Dump Truck	b. 11/17/00	52,553	61,014	70,000	10	2010	2015						
1434	2003 Chevrolet 2500 Pickup	06/13/03	20,032	71,472	85,000	10	2013	2017		30,000				
1436	2014 Ford F-350 4X4 Pickup	11/14/13	28,819	10,755	85,000	10	2023	2023						
1439	2002 Dodge 2500 4X4 Pickup	c. 05/03/02	24,053	95,920	--	N/A	N/A	N/A						
OTHER														
1414	2004 Jacobsen 16" Cut Mower	01/01/04	58,795	--	--	10	2014	2017		90,000				
1415	2013 Jacobsen 16" Cut Mower	05/24/13	79,575	--	--	10	2023	2024						
1421	2009 Kubota F3080 4WD Mower	06/05/09	17,971	--	--	10	2019	2020						20,000
1423	2011 Kubota F3080 Mower	12/29/11	27,331	--	--	10	2021	2022						
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	2017		90,000				
1463	2012 Vanguard 31HP Tractor	06/29/12	55,661	--	--	20	2022	2022						
TOTAL PARKS AND RECREATION DEPARTMENT									\$30,000	\$270,000	\$0	\$25,000	\$20,000	

- a. The existing vehicle will be reclassified to Code Enforcement to serve maintenance crew. The replacement budgeted in 2015 is required for Parks.
- b. This vehicle scheduled to be replaced in 2015.
- c. This vehicle scheduled to be replaced in 2015 through Capital Project K1304.

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**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
PARKING FUND**

	2015 BUDGET	-----2016-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2016	2017	2018	2019	2020	TOTAL
V1601 Parking Lot Surveillance Cameras	\$0	\$0	\$65,000	\$65,000	\$65,000	\$37,500	\$0	\$0	\$167,500
V1501 Parking Lot #2 Expansion	30,000	0	0	0	0	0	0	0	0
V1402 Fee Collection Equipment Upgrade	155,250	0	0	0	0	0	0	0	0
V1403 Site Preparation for Lot #1 Parking Garage	150,075	155,328	0	155,328	0	0	0	0	155,328
V1404 Municipal Lot #1 Parking Garage	0	0	0	0	5,500,000	8,643,900	0	0	14,143,900
V1201 Second Parking Level - Lot #3	0	0	0	0	0	3,349,450	0	0	3,349,450
V1001 Parking Lot Surface Maintenance	25,000	26,250	0	26,250	368,970	32,600	105,000	0	532,820
VEQSF Vehicle Replacement Program	0	27,500	0	27,500	46,000	0	0	28,000	101,500
Total Parking Fund	\$360,325	\$209,078	\$65,000	\$274,078	\$5,979,970	\$12,063,450	\$105,000	\$28,000	\$18,450,498
GROSS CAPITAL IMPROVEMENTS	\$360,325	\$209,078	\$65,000	\$274,078	\$5,979,970	\$12,063,450	\$105,000	\$28,000	\$18,450,498
LESS: USE OF RESERVES	(165,250)	(181,578)	0	(181,578)	(68,970)	(32,600)	(36,370)	0	(319,518)
VEHICLE & EQUIPMENT REPLACEMENT	0	(27,500)	0	(27,500)	(46,000)	0	0	(28,000)	(101,500)
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	(5,500,000)	(8,643,900)	0	0	(14,143,900)
NET CAPITAL IMPROVEMENTS	\$195,075	\$0	\$65,000	\$65,000	\$365,000	\$3,386,950	\$68,630	\$0	\$3,885,580

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

DEPARTMENT: Planning & Development		DIVISION: Parking	
PROJECT NO: V1601	PROJECT TITLE: Parking Lot Surveillance Cameras		PROJECT LOCATION: Municipal Lots
PROJECT STATUS (CHECK ONE): <input 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:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The City of Newark parking lot surveillance system has not been refreshed in more than 10 years. The system is failing and does not provide adequate camera coverage for Lot #1, while no cameras are installed in any of the other lots. This project proposes to upgrade the system with the goal of full coverage in Municipal Lots 1, 2, 3, 4 and 5 over a 3 year period. If this project is approved, efforts will be made to acquire and install the equipment in the most efficient and cost effective manner, but at this point we propose that in the first year we will build the network necessary to support the surveillance system and provide basic coverage in hourly Lots 1, 3 and 4; the second year will add cameras to provide more detailed coverage for Lots 1, 3 and 4 and install basic coverage in monthly Lot 2; and in the third year build the network and install full coverage for monthly Lot 5. The budgeted amounts are based on vendor estimates and include hardware, installation and license fees. Once the cameras are operational, funding will need to be added to the Operating Budget to provide proactive maintenance of the surveillance system.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)	10	Materials		
Est. Total Cost	167,500	Other Contracts	5495406.9622	\$ 167,500
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 167,500
Balance to be funded ¹	167,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		65,000	65,000	37,500			167,500
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	65,000	65,000	37,500	-	-	167,500

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	11,750	23,500	23,500	23,500	23,500	105,750	

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

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	PARKING
PROJECT NO: V1403	PROJECT TITLE: LOT #1 SURFACE PREPARATION	PROJECT LOCATION:	MUNICIPAL LOT #1
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:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

In an effort to increase the inventory of municipally managed parking spaces in downtown Newark, staff has been working on the development of a parking garage on the current surface lot #1. In order to temporarily increase inventory in advance of making plans for any future improvements, site work will need to be performed. Specifically, the demolition of two University of Delaware buildings currently located on the southwest corner of property, which land is to be dedicated to the City for the purpose of a garage as part of the Barnes and Noble bookstore parking waiver agreement. The intent of the project is to remove the existing buildings and provide for site preparation and paving in order to accommodate surface parking until such time as any future garage project is planned and developed. Staff anticipates the new surface portion of the lot to yield approximately 50 spaces. A \$175,000 payment was made to UD for the structures in 2013. UD vacated the buildings in 2015, but the agreement is contingent on the development of a parking structure. This is an unfortunate situation because the spaces estimated for gain to the parking inventory would be helpful as we determine how to proceed. Therefore, and in light of the administration change at the University, the Department would like to revisit the issue in 2016 - and potentially move forward with the site preparation and paving to add surface spaces to the lot. The original cost estimate prepared in 2013 assumed demolition costs of \$60,000 and lot construction costs totalling \$85,000 -- these have been adjusted by 3.5% annually for 2016 numbers.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	160,518	Other Contracts	5495406.9620	\$ 155,328
Est. Spend @ 12/31 (if underway) ¹	5,190	Total Project Cost		\$ 155,328
Balance to be funded ¹	155,328	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	155,328						155,328
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	155,328	-	-	-	-	-	155,328

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	N/A	N/A	N/A	N/A	N/A	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	PARKING
PROJECT NO: V1404	PROJECT TITLE: PARKING GARAGE	PROJECT LOCATION: MUNICIPAL LOT #1	
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: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

In order to increase the inventory of municipally managed parking spaces available in downtown Newark, staff has been working to facilitate the construction of a parking garage on Municipal lot #1. Surface preparation to accommodate the garage is requested via CIP Project # V1403. This project is to actually construct the garage, which will also contain a 2500 +/- square foot parking office and potential retail space on Delaware Avenue. Costs are based on a 2014 estimate of \$18,500 per parking space (512 x \$18,500 =10,972,000) plus \$1.5 million for facade improvements, 20% in contingencies, equipment and fit outs, \$850,000 for the 2,500sf parking office and 5,000sf of shell space, plus 15% for design, engineering and contingencies - and have not been adjusted for inflation. Funds other than the City's capital budget will be sought to construct the garage.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)	30	Materials		
Est. Total Cost	14,143,900	Other Contracts	5495406.9621	\$ 14,143,900
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 14,143,900
Balance to be funded ¹	14,143,900	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)			5,500,000	8,643,900			14,143,900
OTHER (Specify)							-
TOTAL	-	-	5,500,000	8,643,900	-	-	14,143,900

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)				44,000	44,000	88,000	

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

DEPARTMENT: PLANNING & DEVELOPMENT		DIVISION: PARKING	
PROJECT NO: V1201	PROJECT TITLE: SECOND PARKING LEVEL		PROJECT LOCATION: MUNICIPAL LOT #3
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: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project was originally submitted to increase the downtown parking supply by creating a second level of parking in Lot #3. The project did not move forward, except to build the Center Street entrance and required parking appurtenances. Because during the last CIP process we were working on a Lot #1 parking garage, which will, if built, increase the inventory, we pushed the remainder of the project to 2017, including full lot reconstruction. As Lot #1 Garage planning is not yet settled, we recommend the second level of parking and lot reconstruction be pushed further to the 2018 CIP, while recognizing that if we do proceed with the Lot #1 structure, the second level in Lot #3 may not be necessary for some time. The figures have not been adjusted for inflation. (NOTE 1: to accommodate the the surface maintenance program recommended for surface lots and in recognition that this project has been pushed several times, lot 3 reconstruction should remain in the CIP for 2017 - and therefore, has been moved out of this project into V1001. The repaving project will include the installation of conduit to preclude tearing up the asphalt to install underground wiring, if and when a second level of parking is installed.) (NOTE 2: In 2016, a staff report is required to determine if the 6 net new spaces provided in Lot #3 by the Center Street entrance improvement funded through the 2013-2017 CIP are still necessary to the overall parking inventory. Based on the preliminary results of the Haahs study regarding parking in the downtown area and its tentative conclusion that we should begin planning for additional inventory in the future, we do not believe that we are in a position to remove the 6 new spaces created through the Center Street entrance improvements at this time and would recommend they be revisited after the issues of increasing inventory through this project or V1404 has been settled.)

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor		
Est. Useful Life (in years)	25	Materials		
Est. Total Cost	3,349,450	Other Contracts	5495406.9620	\$ 3,349,450
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 3,349,450
Balance to be funded ¹	3,349,450	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES				3,349,450			3,349,450
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	3,349,450	-	-	3,349,450

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	PARKING
PROJECT NO: V1001	PROJECT TITLE: PARKING LOT SURFACE MAINTENANCE	PROJECT LOCATION:	MUNICIPAL LOTS
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Based on cost estimates provided by PWWR, a program has been established for municipal parking lot surface maintenance for each facility on a ten year cycle, subject to inspection. Lot # 4 was scheduled to be completely redone in 2014 but PWWR inspection indicated that full reconstruction was not necessary as a large portion of the lot was redone as part of the Kate's Place project. Therefore, the project was deferred to 2015 and later to 2016 as a result of further inspection. Specifically, PWWR indicates that the parking lot as a whole is in good shape and that its needs will adequately be served by repaving the Center Street entrance and the main drive aisle, which receives considerable wear and tear from trash trucks accessing the dumpsters -- and that it could be done in 2016. The repaving will also include engineering work to restripe the lot to pick up more spaces. PWWR recommends the delay of full reconstruction of Lot 4 until 2019. Based on the 10 year maintenance cycle, the remaining lots will be should be submitted as follows: 2017 - Lot #3 and 2018 - Lot #2 (although this date may also be flexible as Lot #2 received significant improvements this summer as part of Project V1501), and 2020 - Lot #1 (if a garage is not built there). Because we are unsure of the future of the Lot #1 garage project, depending on timing, these dates must remain flexible to allow for full use of all remaining municipal lots during lot 1 construction.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2010	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2020+	Labor		
Est. Useful Life (in years)	10	Materials		
Est. Total Cost	532,820	Other Contracts	5495406.9620	\$ 532,820
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 532,820
Balance to be funded ¹	532,820	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			300,000	32,600	105,000		437,600
CAPITAL RESERVES		26,250	68,970				95,220
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	26,250	368,970	32,600	105,000	-	532,820

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	PARKING
PROJECT NO: VEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT PROGRAM	PROJECT LOCATION:	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	101,500	Other Contracts	5495406.9623	\$ 101,500
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 101,500
Balance to be funded ¹	101,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		27,500	46,000			28,000	101,500
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	27,500	46,000	-	-	28,000	101,500

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
 VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
 PLANNING DEPARTMENT, PARKING DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS					
									2016	2017	2018	2019	2020	
1100	2003 1500 Chev Pickup	05/23/03	14,807	30,884	55,000	10	2013	2016	27,500					
1101	2015 Ford T-150 Transit Cargo Van	12/31/14	24,457	1,302	80,000	10	2026	2026						
1102	2000 Ford Crown Victoria	08/11/00	19,851	41,542	65,000	12	2012	2017		21,000				
1103	2011 Ford Ranger	03/09/12	21,178	56,427	80,000	8	2020	2020						28,000
1104	2010 Dodge Ram 1500 Pickup	06/04/10	18,574	75,887	90,000	7	2017	2017		25,000				
TOTAL PARKING DIVISION									\$27,500	\$46,000	\$0	\$0	\$28,000	

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
ADMINISTRATIVE DEPARTMENT - INFORMATION TECHNOLOGY DIVISION

	2015 BUDGET	-----2016-----		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						
				2016	2017	2018	2019	2020	TOTAL	
I1601	Virtualization Environment Host Replacement	\$0	\$0	\$0	\$67,000	\$0	\$0	\$75,000	\$142,000	
I1602	Harris Utility Environment Upgrade	0	0	73,000	0	0	0	0	73,000	
I1603	Surveillance Camera Refresh	0	0	0	65,000	65,000	65,000	0	195,000	
I1604	City-Leased Fiber Network	0	100,000	0	0	0	0	0	100,000	
I1605	Police Department Network Re-Wiring	0	0	0	50,000	0	0	0	50,000	
I1606	Disaster Recovery and Planning	0	0	56,000	0	0	0	50,000	106,000	
I1607	Rugged Tablets for Electric and PWWR	0	0	32,000	0	0	0	0	32,000	
I1608	Digital Records Management	0	140,000	0	0	0	0	0	140,000	
I1502	Audiolog for 911 Dispatch Recording	25,000	0	0	0	0	0	0	0	
I1504	Harris Cityview Cashiering	25,000	0	0	0	0	0	0	0	
I1506	Avrio Pivot3 Cloudbank 24TB Server	25,000	0	0	0	0	0	0	0	
I1507	Munis SAAS HR/Billing/Work Order Software	139,542	0	0	0	0	0	0	0	
I1508	Gasboy Pump Station Replacement	0	0	25,000	0	0	0	0	25,000	
I1509	Web Filter Proxy Solution	29,000	0	0	0	0	0	0	0	
	Total Information Technology Division	\$243,542	\$240,000	\$186,000	\$426,000	\$182,000	\$65,000	\$65,000	\$125,000	\$863,000
	GROSS CAPITAL IMPROVEMENTS	\$243,542	\$240,000	\$186,000	\$426,000	\$182,000	\$65,000	\$65,000	\$125,000	\$863,000
	LESS: USE OF RESERVES	0	(240,000)	0	(240,000)	0	0	0	0	(240,000)
	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
	NET CAPITAL IMPROVEMENTS	\$243,542	\$0	\$186,000	\$186,000	\$182,000	\$65,000	\$65,000	\$8,000	\$506,000

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

DEPARTMENT:	Administration	DIVISION:	Information Technology
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
IT1601	Virtual Environment Host Replacement	Municipal Building	
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		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The City of Newark is utilizing a cost efficient Server Virtualization model that was implemented in 2014. While the implementation of software was new, the hardware that the software was installed on was already aging. The existing Server Hosts are nearing end of life (expected in 2016). These servers are responsible for 75% of the workload for the City IT Infrastructure and are critical to uptime and data security. Failure to upgrade these servers may result in data and staff time loss.

Dell FX2 Converged PowerEdge FX2 w/ 3 x FC630 Servers (\$53,258.25)
Consulting for Server Virtualization & FX2 Deployment (\$13,017.08)

The amount identified in 2020 represents an estimate of this project's replacement at the end of its useful four-year life. \$67,000 will accumulate in equipment replacement reserves over that time period, while any inflation in the purchase price of the replacement equipment will have to be funded with current resources in 2020.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2020	Labor		
Est. Useful Life (in years)	4	Materials		
Est. Total Cost	142,000	Other Contracts	3063006.9622	\$ 142,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 142,000
Balance to be funded (2016) ¹	142,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			67,000			8,000	75,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT						67,000	67,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	67,000	-	-	75,000	142,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1602	PROJECT TITLE: Harris Utility Environment Upgrade		PROJECT LOCATION: Municipal Building
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The City of Newark utilizes a large scale accounting, billing, and meter management system to manage the Water and Electric utilities within Newark. This system is outdated and in need of an upgrade to avoid the expiration of support on the hardware and operating systems that drive this environment. Proposed is an upgrade to the entire infrastructure to not only bring it up to current standards, but to also add levels of resiliency should a system failure occur. Windows Server 2008 Mainstream Support Ended 1/13/2015; the City is currently utilizing extended support in the form of security patches only.

Server, Software Refresh, Cloud Redundancy for Data Replication
Harris Software Installation and Configuration (Vendor) - \$20,000
Microsoft SQL Standard Licenses - \$8,000
High Speed Storage Area Network (SAN) - \$45,000

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	5	Materials		
Est. Total Cost	73,000	Other Contracts	3063006.9622	\$ 73,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 73,000
Balance to be funded ¹	73,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		73,000					73,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	73,000	-	-	-	-	73,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1603	PROJECT TITLE: Surveillance Camera Refresh		PROJECT LOCATION: City-Wide
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:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The City of Newark surveillance cameras and network are showing their age. Most of the cameras are at least 7 years old and we are starting to see them fail with regularity. It is IT's recommendation that the cameras be replaced over a period of 3 years to ensure optimum functionality and savings on repair.

Axis Q6045-C PTZ Dome 60Hz Network Camera
30 Cameras - \$123,000
Installation - \$58,000
OnSSI Licensing - \$12,000

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2019	Labor		
Est. Useful Life (in years)	10	Materials		
Est. Total Cost	195,000	Other Contracts	3063006.9622	\$ 195,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 195,000
Balance to be funded ¹	195,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			65,000	65,000	65,000		195,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	65,000	65,000	65,000	-	195,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1604	PROJECT TITLE: City-Leased Fiber Network		PROJECT LOCATION: City-Wide
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:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
See attached Justification

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	10	Materials		
Est. Total Cost	100,000	Other Contracts	3063006.9622	\$ 100,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 100,000
Balance to be funded ¹	100,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	100,000						100,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	100,000	-	-	-	-	-	100,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	78,000	78,000	78,000	78,000	78,000	390,000	

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

DEPARTMENT: Administration		DIVISION: Information Technology
PROJECT NO: IT1604	PROJECT TITLE: City-Owned Asset Fiber Network	PROJECT LOCATION: City-Wide

JUSTIFICATION

The City of Newark currently utilizes a combination of PEG (formerly Gore) Dark Fiber, Comcast Small-Business Broadband, Wireless Point to Point devices, and Cellular services to achieve a slow, underperforming network for City-Owned Assets. **To be clear, this is not to be confused with Municipal Broadband and the associated project.** Leasing fiber to connect all City-Owned Buildings, Surveillance Cameras, Security Gates, SCADA equipment and provide for a new and faster internet connection is recommended to ensure total control and uptime guarantees are achievable.

Current Challenges:

- Connections between Municipal Building, Parking Office, Maintenance Facility, George Wilson Center, South Well Field and Water Plant are currently using Comcast Small Business with point-to-point VPN configured. While effective, this is not ideal. The City often experiences network outages as a result of Comcast.
- City surveillance cameras are not directly connected to Fiber cabling. The signal is beamed wirelessly between streets where performance is affected by trees, buildings and weather. Because of the complexity of this wireless network, troubleshooting camera outages is extremely difficult. Also, the camera streaming data performance is insufficient for use needs. The IT Department had to severely lower the quality of the picture in order to maintain a steady stream of data over the wireless network.
- New parking control hardware will require an ultra-reliable and high speed connection between the Parking Lots, Parking Office and the Municipal Building. Currently this does not exist.
- Long term planning suggests that Cameras will eventually be deployed throughout our Parking Lots to improve security response to issues currently not being recorded or monitored. In order to capture this new camera data, a high speed network is needed to all lots.
- The City's SCADA network (used for monitoring and managing water and electric utilities) is limited by lack of connectivity due to only having access to a single Fiber (PEG, formerly Gore) line run through a fraction of the City.
- The IT Department currently manages 11 separate firewalls, which creates 11 separate points of entry for hackers to potentially gain entry.

This project, costing \$100,000 would be used in relation to the proposed OpEx Leasing Terms (\$90,000/year), to build out the fiber infrastructure to all locations. Once deployed, the City would contract a fiber contractor to maintain the system and provide support when issues are found.

It should be noted that there is a small cost savings by implementing this solution. \$14,000/year would be saved by eliminating Comcast from 9 locations. Also, the soft-dollars saved by improving the stability of the network and IT's need to service the network would be drastically lowered.

Definable Cost Savings = \$18,500/year (Comcast and Sonicwall Licenses)

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1605	PROJECT TITLE: Police Department Network Re-Wiring		PROJECT LOCATION: Police Department Building
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input 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: Healthy & Active Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The network cabling within the Police Department (CAT5) does not meet current cabling standards (CAT6). The number of network locations are not adequate for current staffing needs as well as these locations are not ideally suited for current office layout. Multiple cables have been extended and spliced together to accomplish new needs within the department. It is IT's recommendation that an over-haul of the cabling occur in 2017 with a consolidated data closet installed. This project is similar to that Municipal Building recently undertook to achieve the same improvements.

§ 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)	8	Materials		
Est. Total Cost	50,000	Other Contracts	3063006.9622	\$ 50,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 50,000
Balance to be funded ¹	50,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES			50,000				50,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	50,000	-	-	-	50,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1606	PROJECT TITLE: Disaster Recovery and Planning		PROJECT LOCATION: Municipal and Parking Offices
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The City of Newark IT Department is recommending the implementation of a "Hot Site" for disaster planning purposes. The plan would be to transition older equipment to the Parking Office to be used for resiliency and failover if a situation arises that renders the Municipal Buildings' network infrastructure offline without ability to revive (Fiber Outage, Power Outage, Disaster). This would allow the IT Department to bring critical City services online from a secondary location very quickly to ensure these services are available to the public and to our emergency operations team.

Includes:

- Secure 4 post server/network rack with built in cooling - \$2,000
- Network Switch - \$1,000
- Storage Area Network (SAN) - \$48,000
- Uninterruptable Power Supply (UPS) - \$5,000

*This proposal depends on the planned fiber connection between Municipal and Parking Offices, which would render the Parking Offices the most appropriate location for redundancy / failover.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	4	Materials	3063006.9622	\$ 106,000
Est. Total Cost	106,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 106,000
Balance to be funded ¹	106,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		56,000					56,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT						50,000	50,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	56,000	-	-	-	50,000	106,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1607	PROJECT TITLE: Rugged Tablets for Electric and PWWR		PROJECT LOCATION: Municipal and Parking Offices
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: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The Electric Department intends to use 8 tablets for electric linemen out in the field. Enabling the GPS capabilities of these tablets would ensure the map displays the current location. They will have the ability to see the electric distribution system and database attributes. Also, markups and redlines created in the field would be viewable from the office as they are made.

The Public Works and Water Resources Department intends to use 2 tablets for water meter installation and field GIS data collection. The existing wireless network does not extend over the entire water system service territory so 4G cellular capability will allow employees to access City servers and maps across the entire service territory.

The Parks and Recreation Department intends to use 2 tablets to managed work-orders while in the field. This will allow Supervisors to dispatch crews to locations based on highest priority in real time, rather than having to return to the office.

12 x Dell Latitude Ruggedized Tablets with Docks and Extended Use Batteries (\$34,500)

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	4	Materials	3063006.9622	\$ 32,000
Est. Total Cost	32,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 32,000
Balance to be funded ¹	32,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		32,000					32,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	32,000	-	-	-	-	32,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1608	PROJECT TITLE: Digital Records Management		PROJECT LOCATION: City Municipal Building
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
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:

A critical need has been identified to protect all City documents should a situation occur where City records could be lost or damaged. In an effort to prevent this from occurring, a new position is being created, separate presentation, and a basement storage room will be converted and dedicated to records management where all existing and incoming paper and electronic documents will be digitized and stored in the existing Laser Fiche Record Management System. The Records Management staff will receive, create, maintain and dispose of documents according to the State of Delaware Retention Schedule.

Laser Fiche Licensing: \$70,000

Includes: User Licenses for concurrent use, LaserFiche Administrator System, Web based document lookup (internal), Public portal for FOIA and Consulting / Implementation

File-Room Retrofit:

Fire Suppression: \$43,000
Shelving, Carts, Boxes, Ladder: \$10,000
Shipping Containers: \$5,000
(2 containers for 6 months)
Cubicles, Chairs, Etc.: \$5,000
Electrical, Lighting: \$2,000
Shredders: \$5000

Incrementing costs (\$160,500) include staffing and leasing of equipment (copier, scanners, computers)

PROJECT COST BY CATEGORY

First Year in Program	140000	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor	3063006.9622	\$ 62,000
Est. Useful Life (in years)	25	Materials	3063006.9622	\$ 78,000
Est. Total Cost	140,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 140,000
Balance to be funded ¹	140,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	140,000						140,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	140,000	-	-	-	-	-	140,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	160,500	160,500	160,500	160,500	160,500	802,500

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: IT1508	PROJECT TITLE: Gasboy Upgrade		PROJECT LOCATION: Maintenance Yard
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

GasBoy is the City's fuel management and inventory control system. The system tracks the fuel dispensed for each piece of equipment and records the employee making the transaction. This is vital information for financial cost allocations, management control, and asset utilization decision making. The system was purchased in March of 2000 and was upgraded to a Windows version around 2006. An upgrade is required due to end of life on our current system. The upgrade will eliminate the need to retain a keyed system and will allow the inventory, usage and cost to interface directly with the City's financial accounting system. Reconciliation will be able to be undertaken remotely and more easily without finance staff making a trip to the yard. The improvements include cabling project required to connect to GasBoy station at pump.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	42583	Labor		
Est. Useful Life (in years)	5	Materials	3063006.9622	\$ 2,000
Est. Total Cost	25,000	Other Contracts	3063006.9622	\$ 23,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 25,000
Balance to be funded ¹	25,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		25,000					25,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	25,000	-	-	-	-	25,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2016-2020
OTHER DEPARTMENTS-GENERAL FUND**

	2015 BUDGET	-----2016-----		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					
				2016	2017	2018	2019	2020	TOTAL
A1601 Building Demolition	\$0	\$0	\$22,000	\$22,000	\$0	\$0	\$0	\$0	\$22,000
AEQSF Vehicle Replacement Program	0	0	0	0	20,000	0	0	17,000	37,000
B1601 Municipal Building Improvements	0	57,380	13,190	70,570	25,000	0	0	0	95,570
B1602 Holding Cells' Ceilings	0	0	38,000	38,000	0	0	0	0	38,000
B1603 HVAC System Upgrades-GWC	0	0	0	0	0	98,880	0	0	98,880
B1604 Garage Renovations	0	0	16,695	16,695	43,000	0	0	0	59,695
B1501 Fire Alarm Panel Replacements	0	35,250	0	35,250	0	0	0	0	35,250
BEQSF Vehicle Replacement Program	0	0	0	0	77,000	95,000	0	19,000	191,000
Total Other Departments	\$0	\$92,630	\$89,885	\$182,515	\$165,000	\$193,880	\$0	\$36,000	\$577,395
GROSS CAPITAL IMPROVEMENTS	\$0	\$92,630	\$89,885	\$182,515	\$165,000	\$193,880	\$0	\$36,000	\$577,395
LESS: USE OF RESERVES	0	(92,630)	0	(92,630)	0	0	0	0	(92,630)
VEHICLE & EQUIPMENT REPLACEMENT	0	0	0	0	(97,000)	(95,000)	0	(36,000)	(228,000)
GRANTS	0	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS	\$0	\$0	\$89,885	\$89,885	\$68,000	\$98,880	\$0	\$0	\$256,765

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	ADMINISTRATION	DIVISION:	
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
A1601	BUILDING DEMOLITION	919 ROCKMOSS AVENUE	
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:

The City was the winning bidder at a sheriff's sale to acquire 919 Rockmoss Avenue, a condemned piece of property for which taxes and various other liens are owed. The City has "equitable" title to 919 Rockmoss Avenue during the one year period of redemption, after which we will acquire legal title by virtue of the sheriff's deed (assuming no one comes forward and pays all outstanding taxes within the next 12 months). The period of redemption ends August 11, 2016. If no one comes forward after one year, the City intends to demolish the residence, backfill excavated areas with clean, compactable fill, and grade the site to meet the surrounding elevations.

The incremental operating expenses reported below are related to property maintenance/lawn care.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor	3063006.9620	\$ 22,000
Est. Useful Life (in years)	Land	Materials		
Est. Total Cost	22,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 22,000
Balance to be funded ¹	22,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		22,000					22,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	22,000	-	-	-	-	22,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	1,000	1,000				2,000	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: PLANNING & DEVELOPMENT		DIVISION: CED - FACILITIES MAINTENANCE	
PROJECT NO: B1601	PROJECT TITLE: MUNICIPAL BUILDING IMPROVEMENTS		PROJECT LOCATION: CITY HALL
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The hydraulic lift jack in the City Hall elevator is wearing out. The packing that holds the oil which services the jack needs yearly replacement -- and still leaks oil. With the considerable increase in use of the elevator to address building security concerns, the issue has now become a pressing one, and the hydraulic lift jack should be replaced as soon as possible. A price of \$42,900 has been provided, but that price is contingent on being able to use the existing piston well. The project runs the risk of the well pit collapsing during replacement, in which case a new well pit will need to be drilled, potentially adding \$20,000 - \$30,000 to the project costs. Contractor indicates that they cannot predict collapse.

This project also includes the reconstruction of the existing South Main Street entrance to City Hall with a new storefront that will be an exit only to provide better security for the building, and to make it clear that the public entrance to City Hall is from the atrium. The current doors are old and do not lock reliably. We recommend replacement in 2016 at a cost of \$27,670.

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.

§ 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)	40	Materials		
Est. Total Cost	95,570	Other Contracts	3063006.9621	\$ 95,570
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 95,570
Balance to be funded ¹	95,570	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		13,190	25,000				38,190
CAPITAL RESERVES	57,380						57,380
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	57,380	13,190	25,000	-	-	-	95,570

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	1,020	1,020	1,020	1,020	1,020	5,100

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

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	CED - FACILITIES MAINTENANCE
PROJECT NO: B1602	PROJECT TITLE: HOLDING CELLS' CEILINGS	PROJECT LOCATION:	POLICE STATION
PROJECT STATUS (CHECK ONE):	<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The ceilings in the Police Department holding cells are too low. NPD has concerns that prisoners can access the fasteners (holding the tongue and groove ceiling tiles in place at the wall) and potentially use them as weapons. The cameras are also located above the ceiling and when prisoners jostle the ceiling, the cameras have to be reset; each reset loosens the fasteners which make them more easily accessible to the prisoner. This project will replace the ceiling with a frame and concrete backer board and set cameras below the ceiling in an armoured box. This is a safety concern which should be addressed as soon as possible. The estimated cost of the project is \$38,000.

This project is not expected to result in a meaningful amount of ongoing expenses.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	38,000	Other Contracts	3063006.9621	\$ 38,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 38,000
Balance to be funded ¹	38,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		38,000					38,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	38,000	-	-	-	-	38,000

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

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

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	CED - FACILITIES MAINTENANCE
PROJECT NO: B1603	PROJECT TITLE: HVAC SYSTEM UPGRADES	PROJECT LOCATION:	GEORGE WILSON CENTER
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:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The existing HVAC system at the George Wilson Center utilizes electric baseboard heat and individual wall unit air conditioners. The air conditioners are old and leak, and need to be shut off at night to minimize damage from leakage. Upgrading to a combined single heat and air conditioning system will provide greatly improved efficiency and reduce overall heating and air conditioning costs for the Center, as well as improve the overall appearance of the building. Estimated costs include a combined heat and air conditioning system, (heat pump option at \$89,400), filling in 7 A/C holes currently cut into the building (\$5,480); and painting (\$2,000) and site work/trash disposal (\$2,000) which will be done in house.

It is anticipated that this upgrade will result in ongoing operational savings, which will be determined during a future CIP budget cycle.

§ 806.1(3) SUMMARY OF PROJECT DATA

PROJECT COST BY CATEGORY

First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2018	Labor	3063006.9621	\$ 2,500
Est. Useful Life (in years)	20	Materials	3063006.9621	\$ 1,500
Est. Total Cost	98,880	Other Contracts	3063006.9621	\$ 94,880
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 98,880
Balance to be funded ¹	98,880	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES				98,880			98,880
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	98,880	-	-	98,880

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	TBD	TBD	-

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

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	CED - FACILITIES MAINTENANCE
PROJECT NO: B1604	PROJECT TITLE: GARAGE RENOVATIONS	PROJECT LOCATION:	MAINTENANCE YARD
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:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The City garage is in need of repairs due to age and wear and tear, as well as being ripe for energy efficiency improvements. A series of renovations are proposed below to address the need for building maintenance and energy improvements. Specifically, we recommend 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 recommend 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). If funds are tight, the project can be split over two years - we would recommend the ceiling fans and the garage doors in 2016 and the remainder of the project to be funded in 2017.

The ongoing OpEx relates to the operating and maintenance expenses of a waste oil furnace and is only a crude estimate. The additional cost would be offset by natural gas / heating cost savings, which is not yet factored into the operating impact. More refined figures will be prepared in advance of the 2017-2021 CIP.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	10	Materials		
Est. Total Cost	59,695	Other Contracts	6006006.9622	\$ 59,695
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 59,695
Balance to be funded ¹	59,695	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES		16,695	43,000				59,695
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	16,695	43,000	-	-	-	59,695

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	1,000	1,000	1,000	1,000	-

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

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	CED - FACILITIES MAINTENANCE
PROJECT NO: B1501	PROJECT TITLE: FIRE ALARM PANEL REPLACEMENTS	PROJECT LOCATION:	CITY HALL and THOMAS PARK BUILDING
PROJECT STATUS (CHECK ONE):	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> IN PRIOR PROGRAM	<input type="checkbox"/> IN PROGRESS
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community		

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The existing fire alarm panel in City Hall is more than 40 years old and replacement parts are no longer available. The trouble indicator lights are burned out, rendering the system incapable of indicating there is a problem when the system is not working. The system has survived well past its useful life, and the danger of failure concerns the Division. To promote safety, the panel should be replaced as soon as possible. This project was previously approved in the 2015-19 CIP for \$75,000 in 2016. New pricing received in preparation of this year's submittal significantly reduces the amount needed for the City Hall alarm system (\$30,000). As a result, the Division recommends that the fire and security alarms in the Olan Thomas Park building be upgraded as well. The current system there will activate if a sprinkler head in the building goes off, but there are no other detectors for fire or security. Estimates are as follows: City Hall \$30,000 with an annual monitoring fee of \$300; and \$5,250 and for Olan Thomas Park Building with an annual monitoring fee of \$500 per year. The annual monitoring fees are reflected in the operating impact below.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2016	Labor		
Est. Useful Life (in years)	25	Materials		
Est. Total Cost	35,250	Other Contracts	3063006.9621	\$ 35,250
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 35,250
Balance to be funded ¹	35,250	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	35,250						35,250
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	35,250	-	-	-	-	-	35,250

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

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

OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	800	800	800	800	800	4,000

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

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	CED - FACILITIES MAINTENANCE
PROJECT NO: BEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT PROGRAM	PROJECT LOCATION:	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 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	191,000	Other Contracts	3063026.9623	\$ 191,000
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 191,000
Balance to be funded ¹	191,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2016	2017	2018	2019	2020	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			77,000	95,000		19,000	191,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	77,000	95,000	-	19,000	191,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2016	2017	2018	2019	2020	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2016-2020
OTHER DEPARTMENTS**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/15	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS					
									2016	2017	2018	2019	2020	
CODE ENFORCEMENT DIVISION:														
803	2007 Dodge Durango	02/09/07	20,545	26,176	70,000	9	2016	2018			25,000			
804	2005 Dodge Neon Sedan	05/12/05	10,043	54,041	70,000	12	2017	2020						19,000
827	2008 Ford Focus Sedan	b. 06/06/08	11,281	57,901	60,000	9	2017	2018			20,000			
836	2002 Jeep Liberty	04/26/02	18,541	79,524	75,000	12	2014	2017	27,000					
837	2000 Jeep Cherokee	05/26/00	18,814	78,591	70,000	12	2012	2017	25,000					
838	2009 Ford Focus	04/03/09	12,369	20,942	75,000	12	2021	2021						
839	2001 Jeep Cherokee	02/09/01	18,814	51,485	65,000	12	2013	2018			25,000			
840	2001 Jeep Cherokee	02/09/01	18,814	38,078	65,000	12	2013	2018			25,000			
841	2004 Ford E250 Van	a. 07/08/04	14,196	54,418	64,000	12	2016	2017		25,000				
TOTAL CODE ENFORCEMENT DIVISION									\$0	\$77,000	\$95,000	\$0	\$19,000	
ADMINISTRATIVE DEPARTMENT:														
1201	2004 Chevy Cavalier	c. 04/23/04	9,962	47,901	75,000	12	2016	2020						17,000
1202	2001 Chevy Cavalier	d. 02/09/01	11,397	78,261	60,000	12	2013	2017		20,000				
TOTAL ADMINISTRATIVE DEPARTMENT									\$0	\$20,000	\$0	\$0	\$17,000	
FINANCE DEPARTMENT:														
1056	2009 Ford Focus	04/03/09	12,369	44,233	75,000	12	2021	2021						
TOTAL FINANCE DEPARTMENT									\$0	\$0	\$0	\$0	\$0	
TOTAL OTHER DEPARTMENTS									\$0	\$97,000	\$95,000	\$0	\$36,000	
a. Vehicle was number 1417 in Parks & Recreation Department														
b. Vehicle was number 1017 in Finance Department														
c. Vehicle was number 827 in Code Enforcement Division														
d. Vehicle was number 1018 in Finance Department														

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