

City of Newark
Capital Improvement Program
FY2017-FY2021

Summary of CIP Changes After Planning Commission Hearing (11/8/2016)

We thought it would be helpful to Council to have a packet of the specific CIP changes that have been made since the Planning Commission Hearing on October 18th and a reason for each change.

The current version that Council has includes these revisions, with the exception of W1303, W1304, W1101 and W9302. We have included these specific CIP sheets in this packet for your information.

The 2017-2021 Recommended CIP dated as of 11/21/2016 does include all revisions.

Included changes are:

- All summary pages other than the EQSF (equipment sinking fund) totals for below changes.
- Division summaries for Water, Facilities Maintenance, Parks & Recreation, and Parking for below changes.
- Individual Project Changes (by order they appear in the Budget):

Changes made between 10/31/2016 and 11/8/2016 (not incorporated in the 10/31 CIP):

- W1303-Water Master Plan: Corrected project total cost, spending through 12/31/16, and % complete.
- W1304-Tank Overflows: Corrected first year in program, project total cost and spending through 12/31/16 corrected. % complete also changed.
- W1101-NWTP Intake Study/Replacement: Added project with \$86,220 of spending from reserves in both 2017 and 2018.
- W9302-SCADA: Corrected total cost, estimated spending through 12/31/16, and % complete, description change also.

Changes made between Planning Commission Presentation and production of Council Recommendation dated 10/31/2016:

- W1702-Source Water Protection: Description change only.
- W1602-Roseville Park Pressure District: Description change, added \$25K reserves spending in 2020.

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- W1501-Reservoir Upgrades: Removed project. \$50K of reserve spending removed from 2017. Project should be complete in 2016.
- W1503-Academy Street Interconnection: Corrected first year in program, project total cost and spending through 12/31/16 corrected.
- W1402-Air Stripper Replacement: Description change only.
- W1302-Abandon Old Wells: Description change only.
- W1201-12 Inch Main Windy Hills to Red Mill: Description change only.
- W0503 -Well Restoration: Added \$28K current spending in 2018 and reduced \$29K current spending in 2019.
- W9308-Water Main Renovation: Description change only.
- W8605-Water Tank Maintenance: Added \$50K of current spending in 2018.
- Q0101-NPDES Phase II Stormwater: Corrected first year in program.
- Q1702-Startup Costs: Changed ALL CAPS font in title.
- H1701-Annual Street Program: Changed first year in program to "Ongoing".
- H1702-Annual ADA Ramp Program: Description change, changed project cost by category to show CDBG account source.
- N1603-HVAC at GWC: Description change only.
- K1705-Preston's Playground: Added project with \$160,334 of reserve spending in 2017.
- K1601-Pedestrian Bridge: Description change, added \$800,000 federal grant amount to 2018.
- K1501-Iron Glen Park Master Plan: Description change only.

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- K1303-Facility Accessibility: Corrected first year in program.
- V1701-LPR's for Ambassadors: Description change only.
- V1702-Additional Meters: Description change only.
- V1703-Lot Full Signs: Corrected project number.
- V1601-Surveillance Cameras: Replace "&" with "and" in Department title.
- V1001-Lot Surfaces: Description change, added \$50K of current resources spending in 2018.

We hope that you find this summary sheet helpful. If you have any questions, please feel free to let us know.

REVISED 11/08/2016

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

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

AMENDED BUDGET	2017		PROPOSED BUDGETS			TOTAL PROPOSED AMOUNTS		
	2016	2017	2017	2018	2019		2020	2021
			RESERVES & OTHER FUNDING					
			CURRENT FUNDING					
ELECTRIC FUND	\$ 2,314,419	\$ 1,765,500	\$ 480,000	\$ 710,500	\$ 1,077,000	\$ 875,000	\$ 4,908,000	
WATER FUND	3,676,552	3,558,880	3,339,720	2,895,000	3,772,050	2,321,203	15,886,853	
SEWER FUND	1,222,500	1,013,675	700,000	800,000	800,000	800,000	4,113,675	
PUBLIC WORKS-GENERAL FUND	3,364,922	2,438,000	2,670,700	2,314,894	1,945,592	2,151,804	11,520,990	
PUBLIC WORKS-MAINTENANCE FUND	510,515	442,549	450,380	-	-	-	892,929	
POLICE DEPARTMENT	255,965	381,818	205,908	431,855	64,120	150,850	1,234,551	
PARKS & RECREATION DEPARTMENT	547,500	672,034	2,965,100	2,305,000	205,000	278,000	6,425,134	
PARKING FUND	274,078	309,590	564,350	32,600	28,000	105,000	1,039,540	
INFORMATION TECHNOLOGY DIVISION	426,000	562,500	365,000	65,000	150,000	-	1,142,500	
OTHER DEPARTMENTS	22,000	50,000	122,000	25,000	17,000	25,000	239,000	
	\$ 12,614,451	\$ 11,194,546	\$ 11,863,158	\$ 9,579,849	\$ 8,058,762	\$ 6,706,857	\$ 47,403,172	

PLANNED FINANCING SOURCES

GROSS CAPITAL IMPROVEMENTS	\$ 12,614,451	\$ 11,194,546	\$ 11,863,158	\$ 9,579,849	\$ 8,058,762	\$ 6,706,857	\$ 47,403,172
LESS: USE OF RESERVES	(3,373,283)	(4,722,228)	(241,720)	-	(25,000)	-	(4,988,948)
VEHICLE & EQUIPMENT REPLACEMENT	(2,315,288)	(1,172,318)	(1,091,818)	(1,529,318)	(722,818)	(422,818)	(4,939,090)
GRANTS	(1,115,000)	(945,000)	(1,695,000)	(545,000)	(545,000)	(545,000)	(4,275,000)
BOND ISSUES	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(459,759)	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	\$ 5,351,121	\$ 4,355,000	\$ 8,834,620	\$ 7,505,531	\$ 6,765,944	\$ 5,739,039	\$ 33,200,134

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

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

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

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

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021

FIVE YEAR PROPOSED SUMMARY BY FUND - ENTERPRISE FUNDS (with current year amended budget)

	AMENDED BUDGET 2016	-----2017-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS	
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021		
ELECTRIC UTILITY FUND:										
GROSS CAPITAL IMPROVEMENTS	\$ 2,314,419	\$ 43,500	\$ 1,722,000	\$ 1,765,500	\$ 480,000	\$ 710,500	\$ 1,077,000	\$ 875,000	\$ 4,908,000	
LESS: USE OF RESERVES	(91,660)	-	-	-	(115,500)	-	-	-	(115,500)	
VEHICLE & EQUIPMENT REPLACEMENT GRANTS	(360,000)	(43,500)	-	(43,500)	(155,000)	(585,500)	(302,000)	-	(1,086,000)	
BOND ISSUES	-	-	-	-	-	-	-	-	-	
OTHER FINANCING SOURCES	(459,759)	-	-	-	-	-	-	-	-	
NET CAPITAL IMPROVEMENTS	\$ 1,403,000	\$ -	\$ 1,722,000	\$ 1,722,000	\$ 209,500	\$ 125,000	\$ 775,000	\$ 875,000	\$ 3,706,500	
WATER UTILITY FUND:										
GROSS CAPITAL IMPROVEMENTS	\$ 3,676,552	\$ 1,645,880	\$ 1,913,000	\$ 3,558,880	\$ 3,339,720	\$ 2,895,000	\$ 3,772,050	\$ 2,321,203	\$ 15,886,853	
LESS: USE OF RESERVES	(1,265,945)	(1,395,880)	-	(1,395,880)	(126,220)	-	(25,000)	-	(1,547,100)	
VEHICLE & EQUIPMENT REPLACEMENT GRANTS	(275,000)	(250,000)	-	(250,000)	(30,000)	(20,000)	(210,000)	(75,000)	(585,000)	
BOND ISSUES	-	-	-	-	-	-	-	-	-	
OTHER (STORM WATER FEE)	-	-	-	-	-	-	-	-	-	
NET CAPITAL IMPROVEMENTS	\$ 2,135,607	\$ -	\$ 1,913,000	\$ 1,913,000	\$ 3,183,500	\$ 2,875,000	\$ 3,537,050	\$ 2,246,203	\$ 13,754,753	
SEWER UTILITY FUND:										
GROSS CAPITAL IMPROVEMENTS	\$ 1,222,500	\$ 293,675	\$ 720,000	\$ 1,013,675	\$ 700,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,113,675	
LESS: USE OF RESERVES	(871,134)	(293,675)	-	(293,675)	-	-	-	-	(293,675)	
VEHICLE & EQUIPMENT REPLACEMENT GRANTS	(50,000)	-	-	-	-	-	-	-	-	
BOND ISSUES	-	-	-	-	-	-	-	-	-	
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-	
NET CAPITAL IMPROVEMENTS	\$ 301,366	\$ -	\$ 720,000	\$ 720,000	\$ 700,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 3,820,000	
PARKING FUND:										
GROSS CAPITAL IMPROVEMENTS	\$ 274,078	\$ 309,590	\$ -	\$ 309,590	\$ 564,350	\$ 32,600	\$ 28,000	\$ 105,000	\$ 1,039,540	
LESS: USE OF RESERVES	(181,578)	(284,590)	-	(284,590)	-	-	-	-	(284,590)	
VEHICLE & EQUIPMENT REPLACEMENT GRANTS	(27,500)	(25,000)	-	(25,000)	(21,000)	-	(28,000)	-	(74,000)	
BOND ISSUES	-	-	-	-	-	-	-	-	-	
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-	
NET CAPITAL IMPROVEMENTS	\$ 65,000	\$ -	\$ -	\$ -	\$ 543,350	\$ 32,600	\$ -	\$ 105,000	\$ 680,950	

REVISED 11/08/2016

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021

FIVE YEAR PROPOSED SUMMARY BY FUND - OTHER FUNDS (with current year amended budget)

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

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021

FIVE YEAR SUMMARY BY FUND - TOTAL OF ALL FUNDS (with current year amended budget)

	AMENDED BUDGET 2016	2017-----		PROPOSED BUDGETS			TOTAL PROPOSED AMOUNTS	
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019		2020
TOTAL CAPITAL IMPROVEMENTS:								
GROSS CAPITAL IMPROVEMENTS	\$ 12,614,451	\$ 6,869,546	\$ 4,355,000	\$ 11,194,546	\$ 11,863,158	\$ 9,579,849	\$ 8,058,762	\$ 6,706,857
LESS: USE OF RESERVES	(3,373,283)	(4,722,228)	-	(4,722,228)	(241,720)	-	(25,000)	-
VEHICLE & EQUIPMENT REPLACEMENT	(2,315,288)	(1,172,318)	-	(1,172,318)	(1,091,818)	(1,529,318)	(722,818)	(422,818)
GRANTS	(1,115,000)	(975,000)	-	(945,000)	(1,695,000)	(545,000)	(545,000)	(545,000)
BOND ISSUES	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(459,759)	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	\$ 5,351,121	\$ -	\$ 4,355,000	\$ 4,355,000	\$ 8,834,620	\$ 7,505,531	\$ 6,765,944	\$ 5,739,039
								\$ 33,200,134

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

TOTAL PROJECT COSTS

DEPARTMENT/DIVISION	COMMUNITY DEVELOPMENT FUND	CAPITAL PROJECTS FUND	ELECTRIC FUND	WATER FUND	SEWER FUND	PARKING FUND	MAINTENANCE FUND	TOTAL
GENERAL GOVT-FINANCE DEPARTMENT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GENERAL GOVT-ADMINISTRATIVE DEPARTMENT	-	-	-	-	-	-	-	-
GENERAL GOVT-ADMINISTRATIVE IT DIVISION	-	562,500	-	-	-	-	-	562,500
GENERAL GOVT-LEGISLATIVE DEPARTMENT	-	-	-	-	-	-	-	-
PUBLIC SAFETY-CODE ENFORCEMENT DIVISION	-	50,000	-	-	-	-	-	50,000
PUBLIC SAFETY-POLICE DEPARTMENT	-	381,818	-	-	-	-	-	381,818
PUBLIC WORKS-REFUSE DIVISION	-	200,000	-	-	-	-	-	200,000
PUBLIC WORKS-STREET DIVISION	30,000	2,187,000	-	-	-	-	-	2,217,000
PUBLIC WORKS-ENGINEERING DIVISION	-	21,000	-	-	-	-	-	21,000
CULTURE & RECREATION-PARKS DEPARTMENT	-	672,034	-	-	-	-	-	672,034
ELECTRIC FUND	-	-	1,765,500	-	-	-	-	1,765,500
WATER FUND-WATER DIVISION	-	-	-	3,058,880	-	-	-	3,058,880
WATER FUND-STORMWATER DIVISION	-	-	-	500,000	-	-	-	500,000
SEWER FUND	-	-	-	-	1,013,675	-	-	1,013,675
PARKING FUND	-	-	-	-	-	309,590	-	309,590
MAINTENANCE FUND-FLEET MANAGEMENT	-	-	-	-	-	-	352,549	352,549
MAINTENANCE FUND-FACILITIES MANAGEMENT	-	-	-	-	-	-	90,000	90,000
	\$ 30,000	\$ 4,074,352	\$ 1,765,500	\$ 3,558,880	\$ 1,013,675	\$ 309,590	\$ 442,549	\$ 11,194,546

PLANNED FINANCING SOURCES

GROSS CAPITAL IMPROVEMENTS	\$ 30,000	\$ 4,074,352	\$ 1,765,500	\$ 3,558,880	\$ 1,013,675	\$ 309,590	\$ 442,549	\$ 11,194,546
LESS: USE OF RESERVES	-	(2,305,534)	-	(1,395,880)	(293,675)	(284,590)	(442,549)	(4,722,228)
VEHICLE & EQUIPMENT REPLACEMENT	-	(853,818)	(43,500)	(250,000)	-	(25,000)	-	(1,172,318)
GRANTS	(30,000)	(915,000)	-	-	-	-	-	(945,000)
BOND ISSUES	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	\$ -	\$ -	\$ 1,722,000	\$ 1,913,000	\$ 720,000	\$ -	\$ -	\$ 4,355,000

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

REVISED 11/08/2016

PROJECT #/PROJECT NAME/JUSTIFICATION CODE	2016 BUDGET	RESERVES & OTHER FUNDING		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
		2017	2018	2019	2020	2021	TOTAL		
D	\$0	\$0	\$0	\$165,000	\$125,000	\$125,000	\$125,000	\$125,000	\$540,000
D	0	0	20,000	20,000	20,000	30,000	40,000	130,000	130,000
D	0	0	0	0	400,000	1,200,000	0	0	1,600,000
D	0	0	0	0	82,500	70,000	0	0	152,500
B	25,000	0	0	0	0	25,000	125,000	0	150,000
D	50,000	0	0	0	0	0	0	0	0
D	42,500	42,500	0	0	0	50,000	0	0	592,500
D	263,250	0	0	0	0	0	0	0	0
D	150,000	225,000	0	1,000,000	0	0	0	0	1,225,000
D	40,000	0	0	40,000	0	0	0	0	40,000
B	52,150	52,150	0	0	0	0	0	0	52,150
B	67,660	67,660	0	0	0	0	0	0	67,660
B	329,350	329,350	100,000	429,350	0	0	0	0	429,350
D	172,440	86,220	0	86,220	0	0	0	0	172,440
D	13,650	0	0	0	0	0	0	0	0
D	30,001	100,000	0	100,000	0	0	0	0	100,000
A	25,551	0	28,000	56,000	29,000	29,000	30,000	172,000	172,000
B	250,000	243,000	400,000	643,000	0	0	0	0	643,000
D	75,000	150,000	0	200,000	200,000	50,000	50,000	650,000	650,000
D	1,300,000	100,000	900,000	1,000,000	1,000,000	500,000	1,000,000	4,000,000	4,000,000
D	475,000	0	25,000	700,000	500,000	600,000	350,000	2,175,000	2,175,000
C	40,000	0	0	0	0	0	0	0	0
D	275,000	190,000	0	190,000	20,000	210,000	75,000	507,000	507,000
Total Water Fund-Water Division		\$3,676,552	\$1,473,000	\$2,861,720	\$2,414,000	\$3,269,000	\$1,795,000	\$13,398,600	
GROSS CAPITAL IMPROVEMENTS		\$3,676,552	\$1,473,000	\$2,861,720	\$2,414,000	\$3,269,000	\$1,795,000	\$13,398,600	
LESS: USE OF RESERVES		(1,265,945)	0	(126,220)	0	(25,000)	0	(1,547,100)	
VEHICLE/EQUIPMENT REPLACEMENT		(275,000)	0	(12,000)	(20,000)	(210,000)	(75,000)	(507,000)	
GRANTS		0	0	0	0	0	0	0	
BOND ISSUES		0	0	0	0	0	0	0	
OTHER		0	0	0	0	0	0	0	
NET CAPITAL IMPROVEMENTS		\$2,135,607	\$0	\$2,723,500	\$2,394,000	\$3,034,000	\$1,720,000	\$11,344,500	

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

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W1303	Water System Master Plan	Various	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:			Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project will build off of the stormwater management GIS system that is currently in development and expand it to cover the water system. We will use a combination of existing maps, field survey, and other data sources to build an accurate GIS database of existing water assets including buried infrastructure, booster stations, tanks, treatment plants and other related features. This database will allow for better targeted repair and replacement of assets, creation of an advanced water model for analysis of needed upgrades, and serve as a data warehouse for O&M manuals, maintenance history and other data relevant to efficient operation of a water utility.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
		CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
First Year in Program	2013	Labor		
Est. Completion Date	2017	Materials		
Est. Useful Life (in years)	10	Other Contracts	5295206.9760	\$ 52,150
Est. Total Cost	301,530	Total Project Cost		\$ 52,150
Est. Spend @ 12/31 (if underway) ¹	249,380			
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)	83%			

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

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

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

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

DEPARTMENT: Public Works and Water Resources		DIVISION: Water	
PROJECT NO: W1304	PROJECT TITLE: Eliminate Tank Overflows on Private Property	PROJECT LOCATION: Various Locations	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
 Several of our water tanks have overflows that flow across lawns or through pipes that pass through private drain lines. This project will provide funding such that we can begin to implement solutions to these problems.
 During 2016 we have addressed the Louviers tank in-house. In 2017 we plan to address Windy Hills tank.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
		CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
First Year in Program	2013	Labor		
Est. Completion Date	2017	Materials		
Est. Useful Life (in years)	20	Other Contracts	5295206.9760	\$ 67,660
Est. Total Cost	80,386	Total Project Cost \$ 67,660		
Est. Spend @ 12/31 (if underway) ¹	12,726			
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)	66%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		67,660					67,660
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	67,660	-	-	-	-	67,660

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

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

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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W1101	Curtis WTP Intake Study and Replacement	Curtis WTP	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The dam and raceway form the back bone of the system that conveys raw water from the White Clay Creek to the Newark Treatment Plant and Reservoir Pump Station. We have had the dam inspected by our engineering consultant and they determined that there is not an imminent threat of it failing but there is the potential for it to be bypassed should the White Clay Creek change course or wash out the west side embankment during a high water event. The raceway has an antiquated waste way structure and bridge assembly that controls the level in the raceway and provides access to the raceway head gates. We also have no effective means to clear debris from the water that flows down the raceway creating problems with the reservoir pumps. Furthermore, efforts are underway to eliminate or mitigate the barriers that this and other dams create which prevent the migration of fish, mollusks, and other aquatic life. This project will evaluate alternatives and make recommendations for projects to address the various issues related to the raw water intake system.

Near term issues to be addressed will be the waste way structure and a possible bar screen on the reservoir intake which would be paid for with reserves already dedicated to the project. The repairs to the waste way are scheduled to occur in 2017 and the new bar screen is scheduled in 2018. Large scale intake work will not occur until 2022 when the reservoir debt service is paid off.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
		CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
First Year in Program	2011	Labor		
Est. Completion Date	2019	Materials		
Est. Useful Life (in years)	15	Other Contracts	5295206.9621	\$ 172,440
Est. Total Cost	221,173	Total Project Cost		\$ 172,440
Est. Spend @ 12/31 (if underway) ¹	48,733			
Balance to be funded ¹	172,440	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	3%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		86,220	86,220				172,440
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL		86,220	86,220	-	-	-	172,440

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

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

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

DEPARTMENT: Public Works and Water Resources		DIVISION: Water	
PROJECT NO: W9302	PROJECT TITLE: Water SCADA	PROJECT LOCATION: Various Locations	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

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

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

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
		CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
First Year in Program	1993	Labor		
Est. Completion Date	2021	Materials		
Est. Useful Life (in years)	15	Other Contracts	5295206.9760	\$ 650,000
Est. Total Cost	816,050	Total Project Cost		\$ 650,000
Est. Spend @ 12/31 (if underway) ¹	166,050			
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)	20%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			200,000	200,000	50,000	50,000	500,000
CAPITAL RESERVES		150,000					150,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	150,000	200,000	200,000	50,000	50,000	650,000

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

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	10,000	11,500	13,225	13,622	14,030	62,377	

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