



2018 – 2022

Capital Improvement Program

October 11, 2017

Planning Commission Presentation

Sec. 2-89. - General powers and duties of the planning commission.

(a) Recommendations and advisements on planning subjects.

It shall be the duty of the planning commission, after considering the advice of the planning director, to:

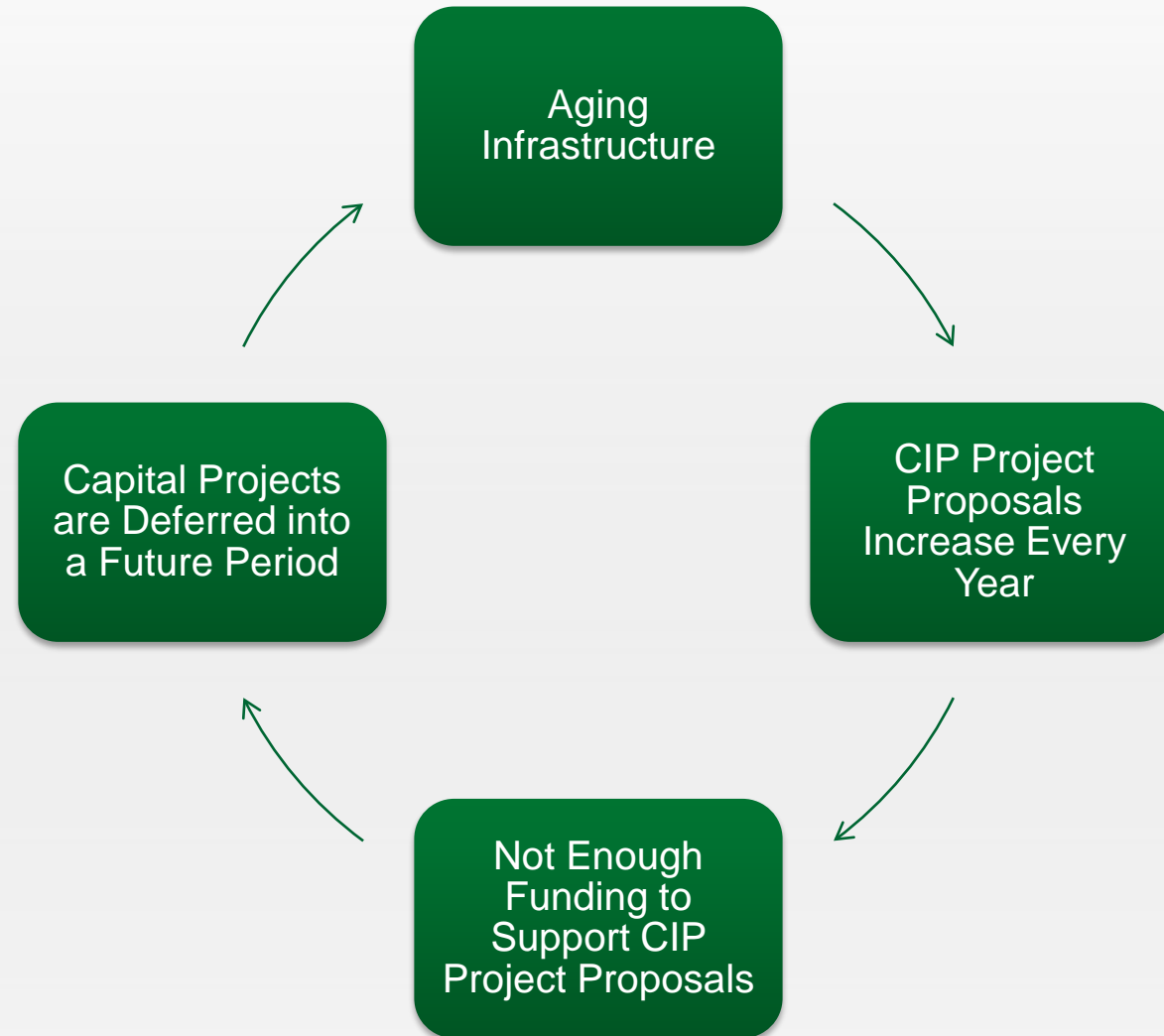
advise the city council on zoning and land subdivision matters as provided in the respective ordinances; on the comprehensive development plan; on the official map of the city; on proposed ordinances concerning land use and land development regulations; on urban renewal; **on expenditures for capital improvements, where such improvements refer to a matter covered by the comprehensive plan or the official map** and on such other planning subjects as are referred to it by the city council or the city manager.

All such recommendations and advisements by the planning commission shall be submitted to the council within a time specified by the council and prior to the public hearing by the council on the proposed ordinance, where applicable.

Goals of the CIP

- Projects will seek to advance Newark's vision elements
 - Healthy & Active Community
 - Sustainable Community
 - Inclusive Community
- Maintain and enhance the City's physical framework
 - Streets and Sidewalks
 - Parks and Parking Facilities
 - Municipal & Police Facilities
 - Utility Infrastructure
- Support the provision of services to the City's residents
- Ensure the financial strength of the City via prudent investments and decision making

Rolling CIP



CIP Detail Sheets - Enhancement

Project #	Dept Priority	Bond/SRL	Department	Fund	Description	Justification	2018	2019	2020	2021	2022	Total CIP Request
BEQSF	* 1		Code Enforcement	General	Vehicle Replacement Program	D - Efficiency/Other	\$52,000	\$70,000	\$25,000	\$25,000	\$0	\$172,000
C1401	* 1		Police	General	Ballistic Vests	B - Public Safety	\$3,000	\$13,390	\$11,671	\$33,883	\$14,638	\$76,582
C1601	* 1		Police	General	Taser X26P Replacement	B - Public Safety	\$20,389	\$21,408	\$22,478	\$23,602	\$24,782	\$112,659
C1801	* 2		Police	General	Motorola Vehicle Radio Upgrade	B - Public Safety	\$108,603	\$0	\$0	\$0	\$0	\$108,603
C1802	* 3		Police	General	Police Office Chair Replacement Project	D - Efficiency/Other	\$9,500	\$0	\$0	\$0	\$0	\$9,500
CEQSF	* 1		Police	General	Vehicle Replacement Program	B - Public Safety	\$184,000	\$445,000	\$30,000	\$96,000	\$50,000	\$805,000
E0503	* 1	Bond	Electric	Electric	SCADA & Automatic Switching	D - Efficiency/Other	\$300,000	\$413,000	\$0	\$0	\$455,000	\$1,168,000
E1105	1		Electric	Electric	New Transformers & Circuit Breakers	D - Efficiency/Other	\$700,000	\$0	\$0	\$0	\$0	\$700,000
W8605	* 2	SRL	PWWR	Water	Water Tank Maintenance	D - Efficiency/Other	\$700,000	\$350,000	\$700,000	\$500,000	\$0	\$2,250,000
W9302	* 2	SRL	PWWR	Water	SCADA System	D - Efficiency/Other	\$200,000	\$200,000	\$50,000	\$50,000	\$50,000	\$550,000
W9308	* 1	SRL	PWWR	Water	Water Main Renovation Program	D - Efficiency/Other	\$500,000	\$1,000,000	\$500,000	\$1,000,000	\$1,000,000	\$4,000,000
WEQSF	3		PWWR	Water	Vehicle Replacement Program	D - Efficiency/Other	\$0	\$20,000	\$230,000	\$75,000	\$0	\$325,000
Total							\$14,715,403	\$12,996,323	\$7,441,094	\$9,533,924	\$6,090,111	\$50,776,855

CIP Detail Sheets

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL		
DEPARTMENT:	ELECTRIC	DIVISION:
PROJECT NO: E1105	PROJECT TITLE: UPGRADE SUBSTATION TRANSFORMERS AND CIRCUIT BREAKERS	PROJECT LOCATION: PHILLIPS, EAST MAIN, WEST MAIN AND CHESTNUT HILL RD SUBSTATIONS
PROJECT STATUS (SELECT FROM DROP DOWN):		In Progress
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		sustainable Community
<p>Due to the load increase on Cleveland Avenue, which consumed most of the city's back-up capacity between West Main Street substation transformer 76 and East Main Street substation transformer 80, a new substation transformer is required at the West Main Street substation. This will allow the load to be split on circuit 80-1 which feeds Cleveland Avenue at Paper Mill Road. Approximately 1000kW of 4kV load will be upgraded to 12.47kV on West Main Street and in Nottingham Green.</p>		

PROJECT PRIORITY LEVELS		
1	Highest	Project underway and must be completed
2	High	Critical need to remediate failing service, prevent failure, or generate savings
3	Medium-High	The City would be taking a calculated risk in the deferral of this item
4	Medium	This project is a NEED and not a WANT, but no significant risk in the deferral of this item
5	Low	This project is a NEED and not a WANT, but it can start in year two of this CIP or later

CIP Detail Sheets

PRIORITY: 2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENTS

Healthy & Active Community	Bicycle & Ped access to encourage exercise, complete streets, ample parks & open space, compact/mixed development
Sustainable Community	Promote transit/alt transportation to reduce fossil fuels, stream valley/watershed protection, energy conservation, recycling, air & water quality, diverse economic base
Inclusive Community	Access to transit/alt transportation, range of housing choices & affordability, fair housing, access to dining, shopping, entertainment, arts, employment, good schools, parks & open spaces, day care, health care

CIP Detail Sheets

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS			AMOUNT	
Est. Completion Date	2017	Labor	5195106.9830			\$ 128,000	
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9730			\$ 539,500	
Est. Total Cost	3,499,000	Other Contracts	5195106.9730			\$ 32,500	
Est. Spend @ 12/31 (if underway) ¹	2,799,000	Total Project Cost				\$ 700,000	
Balance to be funded ¹	700,000	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	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES		700,000					700,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	700,000	-	-	-	-	700,000
² "Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."							
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

Electric Key Accomplishments - 2017

- ▶ **Electric transformer, circuit breaker & conductor upgrade (Underway)** – The installation of a new 10MVA substation transformer at the Chestnut Hill Road Substation. This transformer will provide additional capacity to the Star Campus and provide backup capacity to the southern end of the city.
- ▶ **Reconductoring Main street (Completed)** – Larger aerial conductors were installed on Main Street from Chapel Street to South Main Street.
- ▶ **12kV Changeover (Completed)** - A voltage upgrade from 4160 volts and 12470 volts was completed on Dallas Avenue, parts of Beverly Road, West Park Place, South Main Street and parts of Main Street.
- ▶ **SCADA and 34.5kv fault detection and automatic switching system (Underway)** - This project will increase reliability and decrease the length of outages when they occur by isolating the faulted section of the circuit and transferring customers to an unfaulted circuit if certain system criteria are met.
- ▶ **CAD Software (Underway)** - The CYME engineering software has been installed. Eaton is working on developing the Gateway software to transfer the GIS data into CYME.

Parks & Recreation Key Accomplishments - 2017

- ▶ **GWC Kitchen Rehabilitation (Underway)** – Contractor has returned contract and purchase order has been released. Work to begin in November due to new cabinet delivery.
- ▶ **Fence Repair and Construction (To Be Completed)** - Completed Fairfield Park, Dickey Park pool gate, Dickey Park ballfield and additional fence work at the George Wilson Center and Handloff Park to be scheduled in October.
- ▶ **Preston’s Playground Utility Lines (Underway)** – Currently in progress.
- ▶ **Charles Emerson Bicycle/Pedestrian Bridge (Underway)** – Outdoor Recreation, Parks and Trails grant for project. First \$100,000 payment for 20% of project design cost was submitted.
- ▶ **Hard Surface Facility Improvements (Underway)** – Included in the streets contract. Work to be scheduled in Fall 2017 including Phillips Park parking lot expansion & overlay, Phillips Park basketball court, Leroy Hill Park parking lot and George Wilson Center parking lot.
- ▶ **Redd Park Trail Improvements (To Be Completed)** - Delaware Recreation Trail Grant for installation of 30’x6’ fiberglass bridge and trail improvements. City has 20% match. Project is a carry over from 2016 CIP due to grant funding. Completed in October.

PWWR Key Accomplishments - 2017

- ▶ **2017 Annual Street Contract (Underway)** – 22 Locations, including the GWC and Phillips Park parking lots.
- ▶ **2017 ADA Curb Ramp Contract (Underway)** – 32 Ramps at various locations around the City.
- ▶ **Salt Storage Facility (Completed)** - Constructed new facility with 1,100 ton capacity. Facility includes provision for salt brine maker and storage tanks for future use.
- ▶ **Vehicle and Equipment Replacement** - Two (2) new snow plow capable vehicles, orders for new rear loading refuse vehicle and sidewalk vacuum collector.
- ▶ **Windy Hills to Red Mill Road Water Main Extension (Underway)** - Crossing of White Clay Creek providing better flow, pressure, and redundancy to areas along Capital Trail.
- ▶ **2017 Water Main Contract (Nearing Completion)** - 2,543 linear feet of main replacement – 100-year life expectancy.
- ▶ **Reservoir Aeration (Completed Late 2016)** - Installed aeration system in the Reservoir to mix the water to avoid stratification, which can reduce the usability of the water below a certain depth due to extreme temperature differences.

PWWR Key Accomplishments - 2017

- ▶ **Water and Sewer SCADA (Underway)** - Automated controls at Paper Mill Booster Station and Northwest Booster allowing the system to be run based on current conditions and allowing tanks to be taken off line for maintenance without service disruption. Performed ground survey of all water tanks to assist in the proper settings for tank levels, resulting in better service.
- ▶ **Sewer Main Lining (Underway)** - Installed a liner in approximately 2000 l.f. of sanitary sewer main to reduce inflow and infiltration, resulting in increased capacity and extending the life of the asset by approximately 50-75 years. Partially funded by UD associated with new dormitories on Academy Street.
- ▶ **Sewer Point Repairs (Underway)** - Identified and fixed point repairs necessary in Main Street ahead of the anticipated paving project in 2018. Repaired a sewer pipe in a creek crossing of Bogy Run behind the UD Laird Campus. The pipe had a hole in the top and allowed water to enter our sewer system during times of high creek flow. New pipe is ductile iron and encased in concrete.
- ▶ **Exposed Sewer Line Abandonment (Underway)** - Setup a long-term test to verify the ability to abandon several hundred feet of exposed sewer line in White Clay Creek. Results expected to be complete in 2017 with potential for 2018 abandonment.
- ▶ **Louviere Water Tank (Completed)** - Repairs to the 1 Million Gallon Louviere elevated water storage tank were completed this past spring (2017). Updates include the cleaning and painting of the interior and exterior walls, repairs to the roof vents, and various safety updates.

Information Technology's Key Accomplishments - 2017

- ▶ **Parking Lot Surveillance Camera Project (Near Completion)** - 35 cameras installed in lots 1-6.
- ▶ **City-Wide Fiber Network (Completed)** - Seven miles of fiber installed (this is combo CIP and OpEx lease).
- ▶ **Water Plant and Reservoir Cameras (Underway)** - Twelve cameras and fiber to be installed.
- ▶ **Property Management Software (Near Completion)** – Tyler Munis to replace CityView software.

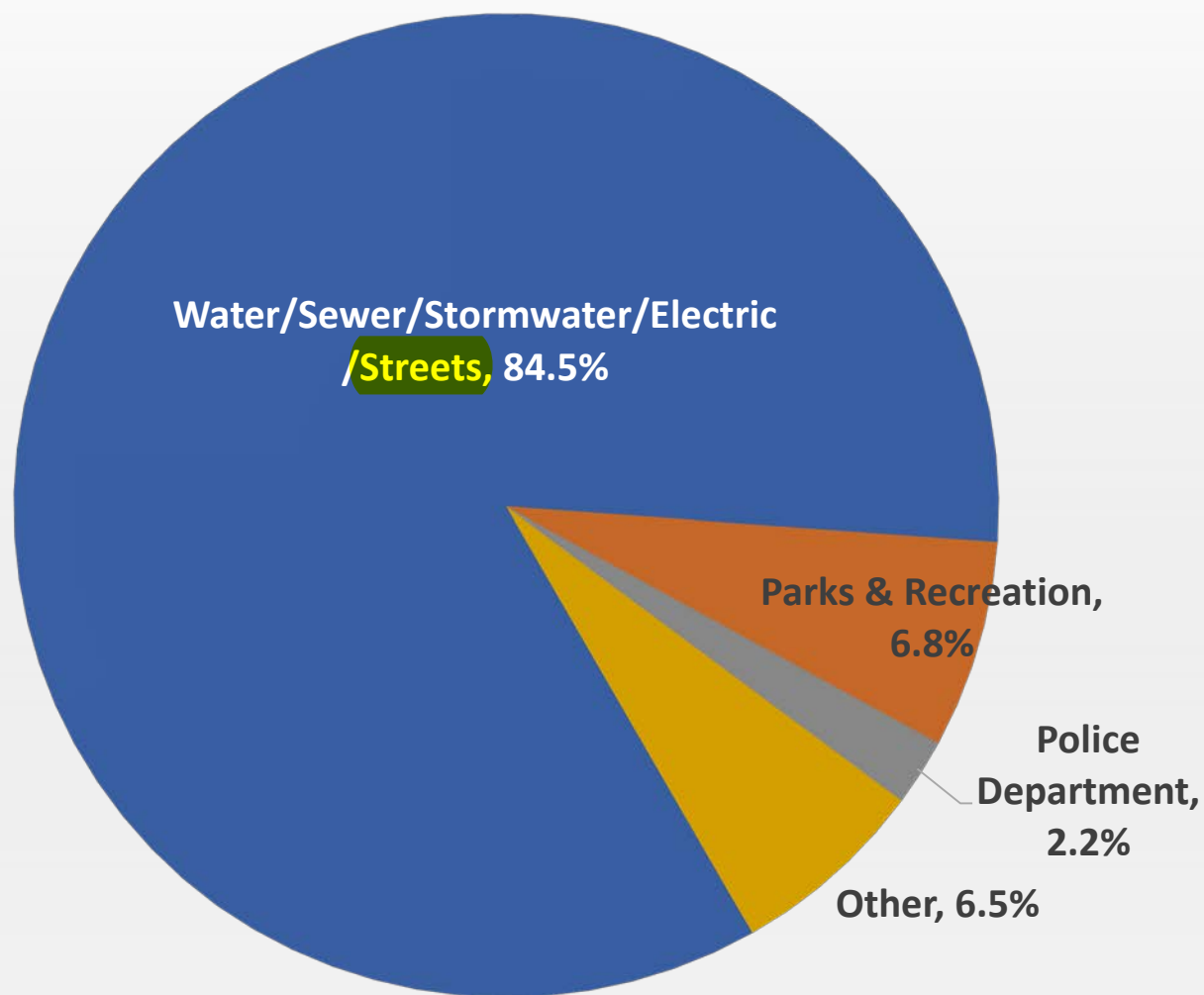
GIS Key Accomplishments - 2017

- ▶ Presentation by Information Technology on GIS accomplishments.

	PROPOSED BUDGETS					TOTAL
	2018	2019	2020	2021	2022	PROPOSED AMOUNTS
ELECTRIC FUND	\$1,706,500	\$1,383,500	\$697,000	\$360,000	\$580,000	\$4,727,000
WATER FUND	\$3,953,500	\$1,948,000	\$2,433,000	\$3,974,000	\$1,224,000	\$13,532,500
SEWER FUND	\$1,336,701	\$800,000	\$1,000,000	\$800,000	\$800,000	\$4,736,701
STORMWATER FUND	\$3,778,000	\$3,942,375	\$503,050	\$576,203	\$550,513	\$9,350,141
PUBLIC WORKS-GENERAL FUND	\$1,655,671	\$2,215,150	\$1,781,395	\$2,289,736	\$1,898,178	\$9,840,130
POLICE DEPARTMENT	\$325,492	\$479,798	\$64,149	\$153,485	\$89,420	\$1,112,344
PARKS & RECREATION DEPARTMENT	\$1,004,000	\$1,470,000	\$552,000	\$1,218,000	\$948,000	\$5,192,000
PARKING FUND	\$248,490	\$21,000	\$28,000	\$105,000	\$0	\$402,490
INFORMATION TECHNOLOGY DIVISION	\$202,500	\$252,500	\$332,500	\$32,500	\$0	\$820,000
PUBLIC WORKS-MAINTENANCE FUND	\$452,549	\$414,000	\$25,000	\$0	\$0	\$891,549
OTHER DEPARTMENTS	\$52,000	\$70,000	\$25,000	\$25,000	\$0	\$172,000
	\$14,715,403	\$12,996,323	\$7,441,094	\$9,533,924	\$6,090,111	\$50,776,855
LESS: PLANNED FINANCING SOURCES						
USE OF RESERVES	(\$1,931,500)	(\$45,000)	\$0	\$0	\$0	(\$1,976,500)
VEHICLE & EQUIPMENT REPLACEMENT	(\$1,017,492)	(\$1,899,673)	(\$791,149)	(\$761,485)	(\$239,420)	(\$4,709,219)
GRANTS	(\$1,504,721)	(\$876,671)	(\$666,671)	(\$566,671)	(\$516,671)	(\$4,131,405)
BOND ISSUES	(\$937,690)	(\$462,500)	(\$494,500)	(\$352,500)	(\$238,000)	(\$2,485,190)
STATE REVOLVING LOAN	(\$6,850,000)	(\$4,400,000)	(\$1,700,000)	(\$2,900,000)	(\$800,000)	(\$16,650,000)
OTHER FINANCING SOURCES	(\$1,079,000)	(\$570,000)	(\$270,000)	(\$150,000)	(\$150,000)	(\$2,219,000)
TOTAL FINANCING SOURCES	(\$13,320,403)	(\$8,253,844)	(\$3,922,320)	(\$4,730,656)	(\$1,944,091)	(\$32,171,314)
NET CAPITAL IMPROVEMENTS	\$1,395,000	\$4,742,479	\$3,518,774	\$4,803,268	\$4,146,020	\$18,605,541

Capital Improvement Program Totals 2018-2022 15

2018 Gross Capital Expenditures by Department



Department/Division	Total	% of Total
Water	\$ 3,953,500	26.9%
Stormwater	3,778,000	25.7%
Electric Fund	1,706,500	11.6%
PW - Street	1,655,671	11.3%
Sewer Fund	1,336,701	9.1%
Parks & Recreation	1,004,000	6.8%
Police Department	325,492	2.2%
Maintenance Fund - Facilities	328,000	2.2%
Information Technology	202,500	1.4%
Parking Fund	248,490	1.7%
Code Enforcement	52,000	0.4%
Maintenance Fund - Fleet	124,549	0.8%
PW - Refuse	-	0.0%
PW - Engineering	-	0.0%
TOTAL	\$ 14,715,403	100.0%

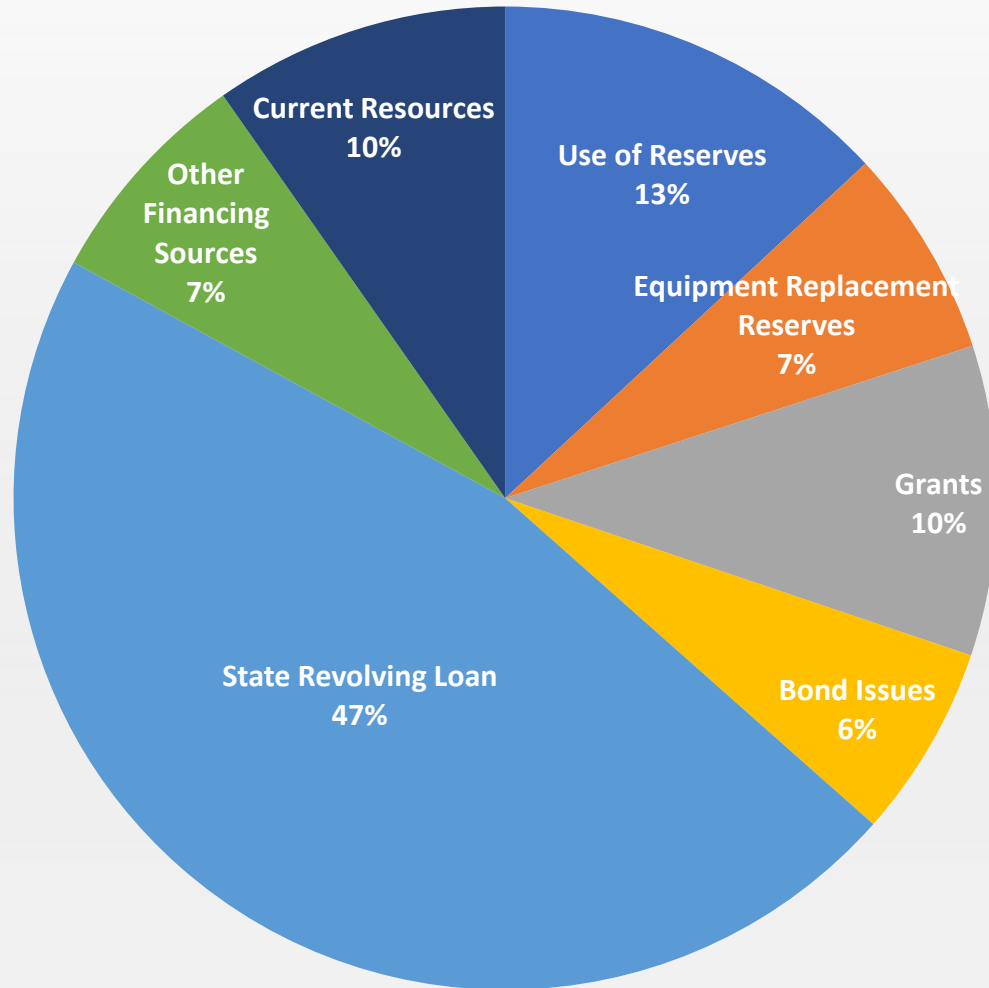
Department/Division	Total	% of Total
Water/Sewer/Stormwater/Electric/Streets	\$ 12,430,372	84.5%
Parks & Recreation	1,004,000	6.8%
Police Department	325,492	2.2%
Other	955,539	6.5%
TOTAL	\$ 14,715,403	100.0%

Replacement slide 10/10/2017 – Added “Streets” to pie chart. Replaced “Sewer” with “Street” next to \$12.4 million

2018 CIP Funding Sources:

Fund	2018 CIP	SRL	Bond	Equipment	Grants/Other	Capital Reserves	Current Resources
General/CDBG	\$3,239,663		(\$263,950)	(\$629,492)	(\$2,226,221)		(\$120,000)
Electric	\$1,706,500		(\$381,000)	(\$340,000)	(\$120,000)	(\$40,500)	(\$825,000)
Water	\$3,953,500	(\$3,100,000)			(\$82,500)	(\$771,000)	\$0
Sewer	\$1,336,701	(\$500,000)				(\$836,701)	\$0
Stormwater	\$3,778,000	(\$3,250,000)		(\$18,000)	(\$50,000)	(\$40,000)	(\$420,000)
Maintenance	\$452,549		(\$165,000)	(\$30,000)	(\$105,000)	(\$122,549)	(\$30,000)
Parking	\$248,490		(\$127,740)			(\$120,750)	\$0
TOTAL:	\$14,715,403	(\$6,850,000)	(\$937,690)	(\$1,017,492)	(\$2,583,721)	(\$1,931,500)	(\$1,395,000)

2018 Funding Sources for CIP



FUNDING SOURCE	AMOUNT	%
Use of Reserves	\$1,931,500	13.1%
Equipment Replacement Reserves	\$1,017,492	6.9%
Grants	\$1,504,721	10.2%
Bond Issues	\$937,690	6.4%
State Revolving Loan	\$6,850,000	46.5%
Other Financing Sources	\$1,079,000	7.3%
Current Resources	\$1,395,000	9.5%
	\$14,715,403	100.0%

FUNDING SOURCE	2017	2018
Use of Reserves	41.0%	13.1%
Equipment Replacement Reserves	11.0%	6.9%
Grants	8.0%	10.2%
Bond Issues	0.0%	6.4%
State Revolving Loan	0.0%	46.5%
Other Financing Sources	0.0%	7.3%
Current Resources	40.0%	9.5%
	100.0%	100.0%

2017 CIP Adjustments for 2018 Projects

DEAUTHORIZATIONS:

Project #	Fund	Project Description	2017 Adjustment	Comments
W1101	Water	Curtis Plant Intake Replacement	-\$142,440	To W0002
W1102	Water	Lime Silo/Delivery Rehabilitation	-\$13,650	To W0002
W1302	Water	Abandon Old Wells	-\$35,000	To W0002
W1402	Water	South Well Field Air Stripper Replacement	-\$195,000	To W0002
W1503	Water	Academy Street Interconnection Station	-\$36,486	To W0002
W1602	Water	Roseville Park Pressure District	-\$16,727	To W0002
W8605	Water	Water Tank Maintenance	-\$55,963	To W0002
W9308	Water	Water Main Renovation Program	-\$177,758	To W0002
M1401	Maintenance Fund	Truck Lift Systems Improvements	-\$23,000	To N1806
V1701	Parking	LPR's for Parking Ambassador Vehicles	-\$47,850	\$14,010 to V1702, \$33,840 back to Parking Reserves
S0904	Sewer	Sanitary Sewer Study & Repairs	-\$75,000	
			-\$818,874	

FUNDING INCREASE:

W0002	Water	CWTP Alternative Disinfection Equipment	\$673,000	\$673,000 from W1101-W9308 above
N1806	Maintenance Fund	FOC - Master Plan	\$23,000	From M1401 above
V1702	Parking	Additional Parking Meters	\$14,010	From V1701 above
S1602	Sewer	Sewer SCADA	\$75,000	From S0904 above
			\$785,010	

Add Back to Reserves:

-\$33,864

Color-keyed to indicate where funds came from, and which projects they are funding in 2018.

\$785,010 of existing funds from 2017-prior projects will be deauthorized to fund other projects in lieu of bond/SRL funding.

Project #	Department	Fund	Description	Justification	2018	2019	2020	2021	2022	Total CIP Request
BEQSF	* Code Enforcemer	General	Vehicle Replacement Program	D - Efficiency/Other	\$52,000	\$70,000	\$25,000	\$25,000	\$0	\$172,000
C1401	* Police	General	Ballistic Vests	B - Public Safety	\$3,000	\$13,390	\$11,671	\$33,883	\$14,638	\$76,582
C1601	* Police	General	Taser X26P Replacement	B - Public Safety	\$20,389	\$21,408	\$22,478	\$23,602	\$24,782	\$112,659
CEQSF	* Police	General	Vehicle Replacement Program	B - Public Safety	\$184,000	\$445,000	\$30,000	\$96,000	\$50,000	\$805,000
E0503	* Electric	Electric	SCADA & Automatic Switching	D - Efficiency/Other	\$300,000	\$413,000	\$0	\$0	\$455,000	\$1,168,000
E1105	Electric	Electric	New Transformers & Circuit Breakers	D - Efficiency/Other	\$700,000	\$0	\$0	\$0	\$0	\$700,000
E1203	* Electric	Electric	CAD software	D - Efficiency/Other	\$40,500	\$0	\$0	\$0	\$0	\$40,500
E1502	* Electric	Electric	Star Campus underground distribution	D - Efficiency/Other	\$120,000	\$120,000	\$120,000	\$0	\$0	\$360,000
E1801	Electric	Electric	New Lines and Services	D - Efficiency/Other	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$625,000
EEQSF	* Electric	Electric	Vehicle Replacement Program	D - Efficiency/Other	\$340,000	\$400,500	\$302,000	\$0	\$0	\$1,042,500
H1801	* PWWR	General	Annual Street Program	D - Efficiency/Other	\$641,671	\$1,600,000	\$1,625,000	\$1,650,000	\$1,675,000	\$7,191,671
H1802	* PWWR	General	ADA Handicap Ramp Transition Plan	B - Public Safety	\$120,000	\$133,150	\$136,395	\$139,736	\$143,178	\$672,459
I1704	Information Tech	General	Water Plant and Reservoir Cameras	B - Public Safety						\$0
K0908	* Parks	General	Children's Play Equipment	C - Community Health	\$20,000	\$60,000	\$40,000	\$40,000	\$0	\$160,000
K1203	Parks	General	Old Paper Mill Park Improvements	C - Community Health	\$0	\$100,000	\$0	\$600,000	\$600,000	\$1,300,000
K1301	* Parks	General	Hard Surface Facility Improvements	B - Public Safety	\$50,000	\$145,000	\$422,000	\$280,000	\$238,000	\$1,135,000
K1601	* Parks	General	Bicycle/Pedestrian Bridge-Curtis	B - Public Safety	\$800,000	\$750,000	\$0	\$0	\$0	\$1,550,000
K1702	Parks	General	Fence Repair and Construction	B - Public Safety						\$0
KEQSF	* Parks	General	Vehicle Replacement Program	D - Efficiency/Other	\$62,000	\$245,000	\$25,000	\$28,000	\$90,000	\$450,000
M1401	* PWWR	Maintenance Fund	Truck Lift Systems Improvements	D - Efficiency/Other	\$124,549	\$0	\$0	\$0	\$0	\$124,549
MEQSF	PWWR	Maintenance Fund	Vehicle Replacement Program	D - Efficiency/Other	\$0	\$40,000	\$0	\$0	\$0	\$40,000
N1701	* Fac Mgmt	Maintenance Fund	Men's Locker Room Expansion	B - Public Safety	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Q0101	* PWWR	Stormwater	NPDES Phase II Stormwater Quality	C - Community Health	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$200,000
Q1301	PWWR	Stormwater	Storm Drainage Improvements	B - Public Safety	\$420,000	\$491,000	\$463,050	\$536,203	\$510,513	\$2,420,766
Q1802	* PWWR	Stormwater	Rodney Regional Stormwater Park	D - Efficiency/Other	\$3,300,000	\$3,250,000	\$0	\$0	\$0	\$6,550,000
REQSF	PWWR	General	Vehicle Replacement Program	D - Efficiency/Other	\$0	\$220,000	\$0	\$480,000	\$0	\$700,000
S0904	* PWWR	Sewer	Sanitary Sewer Study & Repairs	D - Efficiency/Other	\$1,261,701	\$800,000	\$1,000,000	\$800,000	\$800,000	\$4,661,701
S1602	* PWWR	Sewer	Sewer SCADA	D - Efficiency/Other	\$75,000	\$0	\$0	\$0	\$0	\$75,000
TEQSF	PWWR	General	Vehicle Replacement Program	D - Efficiency/Other	\$0	\$67,000	\$0	\$0	\$0	\$67,000
V1702	* Parking	Parking	Additional Parking Meters	A - Return on Investment (Overall Savings)	\$68,250	\$0	\$0	\$0	\$0	\$68,250
V1703	* Parking	Parking	Lot Full Signs	D - Efficiency/Other	\$52,500	\$0	\$0	\$0	\$0	\$52,500
VEQSF	Parking	Parking	Vehicle Replacement Program	D - Efficiency/Other		\$21,000	\$28,000			\$49,000
W0002	* PWWR	Water	CWTP Alternative Disinfection Equipment	B - Public Safety	\$673,000	\$0	\$0	\$0	\$0	\$673,000
W0503	* PWWR	Water	Well Restoration	A - Return on Investment (Overall Savings)	\$28,000	\$28,000	\$58,000	\$29,000	\$29,000	\$172,000
W1601	* PWWR	Water	Backup Generation at Remote Facilities	D - Efficiency/Other	\$82,500	\$70,000	\$0	\$0	\$0	\$152,500
W9308	* PWWR	Water	Water Main Renovation Program	D - Efficiency/Other	\$500,000	\$1,000,000	\$500,000	\$1,000,000	\$1,000,000	\$4,000,000
Total					\$10,224,060	\$10,668,448	\$4,973,594	\$5,926,424	\$5,795,111	\$37,587,637

*Includes grant/other funding.

Capital Projects – Priority 1 Projects

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Capital Projects – Priority 2 Projects

Project #	Department	Fund	Description	Justification	2018	2019	2020	2021	2022	Total CIP Request
C1801	* Police	General	Motorola Vehicle Radio Upgrade	B - Public Safety	\$108,603	\$0	\$0	\$0	\$0	\$108,603
E1804	* Electric	Electric	Spacer Cable Replacement	D - Efficiency/Other	\$81,000	\$0	\$0	\$0	\$0	\$81,000
H0206	PWWR	General	Municipal Bldg Parking Lot Improvements	B - Public Safety						\$0
H1503	* PWWR	General	Newark Transportation Plan Implementation	B - Public Safety	\$704,000	\$20,000	\$20,000	\$20,000	\$20,000	\$784,000
HEQSF	* PWWR	General	Vehicle Replacement Program	D - Efficiency/Other	\$190,000	\$175,000	\$0	\$0	\$60,000	\$425,000
I1806	Information Tech	General	Police Car Retrofit	B - Public Safety	\$120,000	\$0	\$0	\$0	\$0	\$120,000
K1303	* Parks	General	Facilities Accessibility	C - Community Health	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
K1305	Parks	General	Pomeroy Trail Connector	C - Community Health	\$0	\$120,000	\$0	\$0	\$0	\$120,000
K1605	* Parks	General	Redd Park Trail Improvements	C - Community Health	\$32,000	\$30,000	\$0	\$0	\$0	\$62,000
K1704	Parks	General	Picnic Shelter- Lumbrook Park	C - Community Health	\$0	\$0	\$45,000	\$0	\$0	\$45,000
N1801	* Fac Mgmt	Maintenance Fund	NPD - Rear Concrete Deck and Stairs	C - Community Health	\$50,000	\$0	\$0	\$0	\$0	\$50,000
QEVSF	* PWWR	Stormwater	Vehicle Replacement Program	D - Efficiency/Other	\$18,000	\$161,375	\$0	\$0	\$0	\$179,375
V1801	* Parking	Parking	Parking Lot Surface Maintenance	B - Public Safety	\$127,740	\$0	\$0	\$105,000	\$0	\$232,740
W1303	* PWWR	Water	Water System Master Plan	D - Efficiency/Other	\$50,000	\$0	\$0	\$0	\$0	\$50,000
W1402	* PWWR	Water	South Well Field Air Stripper Replacement	D - Efficiency/Other	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000
W1701	PWWR	Water	Valve Inspection, Exercising, and Rehabilitation	D - Efficiency/Other	\$0	\$165,000	\$125,000	\$125,000	\$125,000	\$540,000
W1702	* PWWR	Water	Source Water Protection	D - Efficiency/Other	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
W1703	PWWR	Water	Laird Tract Well Field Treatment	D - Efficiency/Other	\$0	\$0	\$225,000	\$1,925,000	\$0	\$2,150,000
W8605	* PWWR	Water	Water Tank Maintenance	D - Efficiency/Other	\$700,000	\$350,000	\$700,000	\$500,000	\$0	\$2,250,000
W9302	* PWWR	Water	SCADA System	D - Efficiency/Other	\$200,000	\$200,000	\$50,000	\$50,000	\$50,000	\$550,000
Total					\$4,121,343	\$1,261,375	\$1,205,000	\$2,765,000	\$295,000	\$9,647,718

*Includes grant/other funding.

Capital Projects – Priority 3 Projects

Project #	Department	Fund	Description	Justification	2018	2019	2020	2021	2022	Total CIP Request
C1802	* Police	General	Police Office Chair Replacement Project	D - Efficiency/Other	\$9,500	\$0	\$0	\$0	\$0	\$9,500
E1602	Electric	Electric	Circuit Breaker Replacement	D - Efficiency/Other	\$0	\$65,000	\$0	\$0	\$0	\$65,000
I1601	Information Technology	General	Virtual Environment Host Replacement	D - Efficiency/Other	\$0	\$0	\$75,000	\$0	\$0	\$75,000
I1603	* Information Technology	General	Surveillance Camera Refresh	B - Public Safety	\$32,500	\$32,500	\$32,500	\$32,500	\$0	\$130,000
I1606	Information Technology	General	Disaster Recovery and Planning	B - Public Safety	\$0	\$0	\$75,000	\$0	\$0	\$75,000
I1703	Information Technology	General	Recreation Management Software	D - Efficiency/Other	\$0	\$80,000	\$0	\$0	\$0	\$80,000
K1202	Parks	General	Kershaw Park Improvements	C - Community Health	\$0	\$0	\$0	\$200,000	\$0	\$200,000
K1501	Parks	General	Iron Glen Park Master Plan	C - Community Health	\$0	\$0	\$0	\$50,000	\$0	\$50,000
K1502	* Parks	General	Fitness Stations	C - Community Health	\$20,000	\$0	\$0	\$0	\$0	\$20,000
N1803	Fac Mgmt	Maintenance Fund	MUN/NPD - Exterior Paint/Powerwash	C - Community Health	\$0	\$33,000	\$0	\$0	\$0	\$33,000
W1302	PWWR	Water	Abandon Old Wells	B - Public Safety	\$0	\$45,000	\$0	\$0	\$0	\$45,000
W1503	PWWR	Water	Academy Street Interconnection Station	D - Efficiency/Other	\$0	\$50,000	\$500,000	\$0	\$0	\$550,000
W1602	PWWR	Water	Roseville Park Pressure District	B - Public Safety	\$0	\$0	\$25,000	\$250,000	\$0	\$275,000
WEQSF	PWWR	Water	Vehicle Replacement Program	D - Efficiency/Other	\$0	\$20,000	\$230,000	\$75,000	\$0	\$325,000
Total					\$62,000	\$325,500	\$937,500	\$607,500	\$0	\$1,932,500

*Includes grant/other funding.

Capital Projects – Priority 4/5 Projects

Project #	Dept Priority	Department	Fund	Description	Justification	2018	2019	2020	2021	2022	Total CIP Request	
E1805	4	Electric	Electric	Line Extension UD Farm	<i>D - Efficiency/Other</i>	\$0	\$170,000	\$0	\$0	\$0	\$170,000	
E1806	4	Electric	Electric	Christianstead Underground Primary Cable	<i>D - Efficiency/Other</i>	\$0	\$50,000	\$0	\$0	\$0	\$50,000	
E1807	5	Electric	Electric	Relay replacement and SCADA additions	<i>D - Efficiency/Other</i>	\$0	\$40,000	\$0	\$0	\$0	\$40,000	
E1808	5	Electric	Electric	Aerial Line voltage upgrade North College	<i>D - Efficiency/Other</i>	\$0	\$0	\$50,000	\$0	\$0	\$50,000	
E1809	5	Electric	Electric	Line Extension Christina Parkway and Park	<i>D - Efficiency/Other</i>	\$0	\$0	\$100,000	\$0	\$0	\$100,000	
E1810	5	Electric	Electric	Lightning arrestor replacement	<i>D - Efficiency/Other</i>	\$0	\$0	\$0	\$235,000	\$0	\$235,000	
I1801	4	Information Technology	General	Citywide Fiber Phase II	<i>B - Public Safety</i>	\$0	\$140,000	\$0	\$0	\$0	\$140,000	
I1804	5	Information Technology	General	Harris Automation Platform	<i>D - Efficiency/Other</i>	\$0	\$0	\$150,000	\$0	\$0	\$150,000	
I1807	*	4	Information Technology	General	Building Security Upgrades (SWF, Water Plant, Reservoir)	<i>B - Public Safety</i>	\$50,000	\$0	\$0	\$0	\$0	\$50,000
N1603	*	4	Fac Mgmt	Maintenance Fund	GWCC - HVAC System Upgrades	<i>D - Efficiency/Other</i>	\$105,000	\$0	\$0	\$0	\$0	\$105,000
N1702	4	Fac Mgmt	Maintenance Fund	MUN - Council Chamber Renovations	<i>C - Community Health</i>	\$0	\$0	\$25,000	\$0	\$0	\$25,000	
N1805	4	Fac Mgmt	Maintenance Fund	MUN - Lower Level Bathroom	<i>C - Community Health</i>	\$0	\$30,000	\$0	\$0	\$0	\$30,000	
N1806	*	4	Fac Mgmt	Maintenance Fund	FOC - Master Plan	<i>D - Efficiency/Other</i>	\$123,000	\$225,000	\$0	\$0	\$0	\$348,000
N1808	4	Fac Mgmt	Maintenance Fund	FOC - Buildings 1 & 2 Security Improvements	<i>B - Public Safety</i>	\$0	\$31,000	\$0	\$0	\$0	\$31,000	
N1809	4	Fac Mgmt	Maintenance Fund	TRN - New Windows	<i>C - Community Health</i>	\$0	\$55,000	\$0	\$0	\$0	\$55,000	
NEQSF	*	4	Fac Mgmt	Maintenance Fund	Vehicle Replacement Program	<i>D - Efficiency/Other</i>	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Total						\$308,000	\$741,000	\$325,000	\$235,000	\$0	\$1,609,000	

Capital Projects – Bond Financing

Project #	Department	Fund	Description	2018	2019	2020	2021	2022	Total CIP Request	2018 Other	2019 Other	2020 Other	2021 Other	2022 Other	Bond Funding	Net City Resources
E0503	Electric	Electric	SCADA & Automatic Switching	\$300,000	\$413,000	\$0	\$0	\$455,000	\$1,168,000	(\$300,000)					(300,000)	\$868,000
E1804	Electric	Electric	Spacer Cable Replacement	\$81,000	\$0	\$0	\$0	\$0	\$81,000	(\$81,000)					(81,000)	\$0
H1802	PWWR	General	ADA Handicap Ramp Transition Plan	\$120,000	\$133,150	\$136,395	\$139,736	\$143,178	\$672,459	(\$95,000)					(95,000)	\$577,459
I1603	Information Technology	General	Surveillance Camera Refresh	\$32,500	\$32,500	\$32,500	\$32,500	\$0	\$130,000	(\$32,500)	(\$32,500)	(\$32,500)	(\$32,500)		(130,000)	\$0
I1807	Information Technology	General	Building Security Upgrades (SWF, Water Plant, Reservoir)	\$50,000	\$0	\$0	\$0	\$0	\$50,000	(\$50,000)					(50,000)	\$0
K0908	Parks	General	Children's Play Equipment	\$20,000	\$60,000	\$40,000	\$40,000	\$0	\$160,000	(\$16,450)	(\$60,000)	(\$40,000)	(\$40,000)	\$0	(156,450)	\$3,550
K1301	Parks	General	Hard Surface Facility Improvements	\$50,000	\$145,000	\$422,000	\$280,000	\$238,000	\$1,135,000	(\$50,000)	(\$145,000)	(\$422,000)	(\$280,000)	(\$238,000)	(1,135,000)	\$0
K1303	Parks	General	Facilities Accessibility	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000	(\$20,000)					(20,000)	\$80,000
M1401	PWWR	Maintenance Fund	Truck Lift Systems Improvements	\$124,549	\$0	\$0	\$0	\$0	\$124,549	(\$45,000)					(45,000)	\$79,549
N1801	Fac Mgmt	Maintenance Fund	NPD - Rear Concrete Deck and Stairs	\$50,000	\$0	\$0	\$0	\$0	\$50,000	(\$50,000)					(50,000)	\$0
N1806	Fac Mgmt	Maintenance Fund	FOC - Master Plan	\$123,000	\$225,000	\$0	\$0	\$0	\$348,000	(\$70,000)	(\$225,000)				(295,000)	\$53,000
V1801	Parking	Parking	Parking Lot Surface Maintenance	\$127,740	\$0	\$0	\$105,000	\$0	\$232,740	(\$127,740)					(127,740)	\$105,000
Total				\$1,098,789	\$1,028,650	\$650,895	\$617,236	\$856,178	\$4,251,748	(\$937,690)	(\$462,500)	(\$494,500)	(\$352,500)	(\$238,000)	(2,485,190)	\$1,766,558

Capital Projects – State Revolving Loan

Project #	Fund	Description	2018	2019	2020	2021	2022	Total CIP Request	2018 Other	2019 Other	2020 Other	2021 Other	2022 Other	Bond Funding	Net City Resources
Q1802	Stormwater	Rodney Regional Stormwater Park	\$3,300,000	\$3,250,000	\$0	\$0	\$0	\$6,550,000	(\$3,250,000)	(\$3,250,000)				(6,500,000)	\$50,000
S0904	Sewer	Sanitary Sewer Study & Repairs	\$1,261,701	\$800,000	\$1,000,000	\$800,000	\$800,000	\$4,661,701	(\$500,000)	(\$800,000)	(\$1,000,000)	(\$800,000)	(\$800,000)	(3,900,000)	\$761,701
W1402	Water	South Well Field Air Stripper Replacement	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	(\$1,700,000)					(1,700,000)	\$0
W1703	Water	Laird Tract Well Field Treatment	\$0	\$0	\$225,000	\$1,925,000	\$0	\$2,150,000				(\$1,600,000)		(1,600,000)	\$550,000
W8605	Water	Water Tank Maintenance	\$700,000	\$350,000	\$700,000	\$500,000	\$0	\$2,250,000	(\$700,000)	(\$350,000)	(\$700,000)	(\$500,000)		(2,250,000)	\$0
W9302	Water	SCADA System	\$200,000	\$200,000	\$50,000	\$50,000	\$50,000	\$550,000	(\$200,000)					(200,000)	\$350,000
W9308	Water	Water Main Renovation Program	\$500,000	\$1,000,000	\$500,000	\$1,000,000	\$1,000,000	\$4,000,000	(\$500,000)					(500,000)	\$3,500,000
Total			\$7,661,701	\$5,600,000	\$2,475,000	\$4,275,000	\$1,850,000	\$21,861,701	(\$6,850,000)	(\$4,400,000)	(\$1,700,000)	(\$2,900,000)	(\$800,000)	(16,650,000)	\$5,211,701

Conclusion / Questions

