



**2021 – 2025**

# **Capital Improvement Program**

**October 20, 2020**

**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

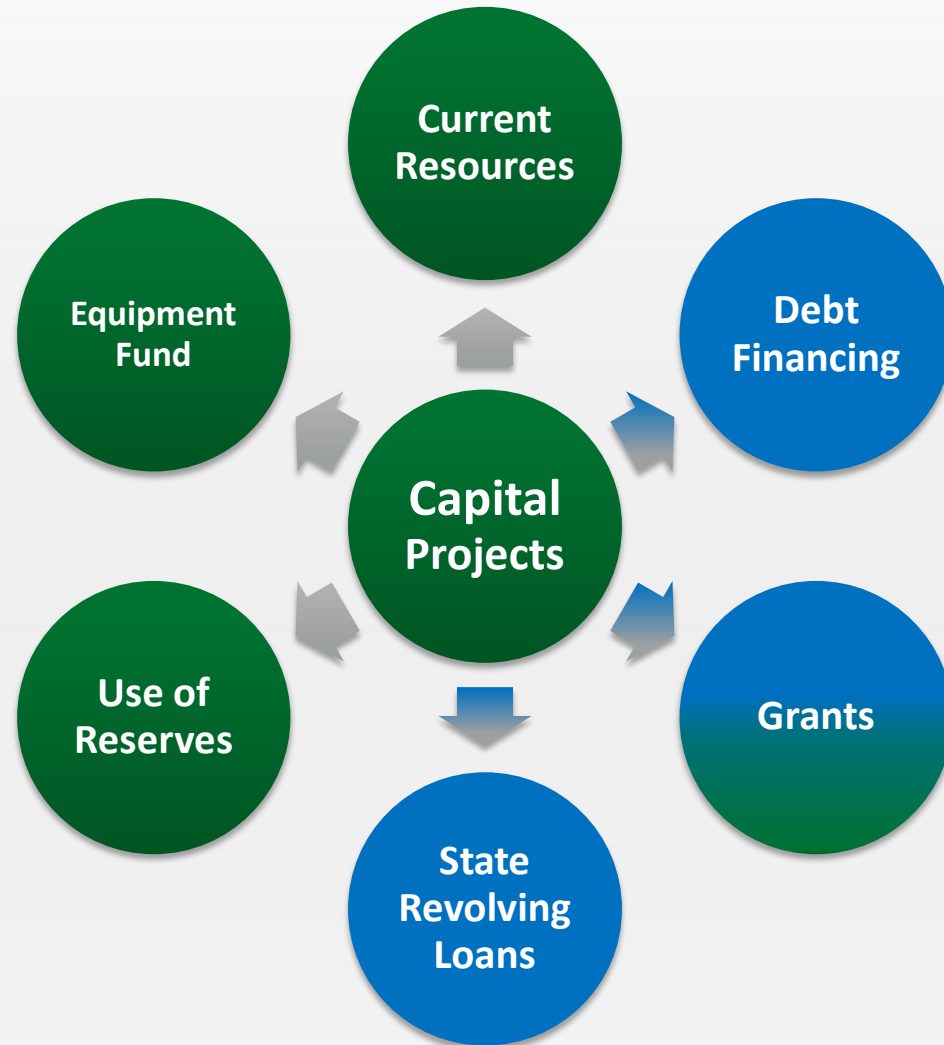
Support the provision of services to the City's residents

- Maintain the City's core services and functions

Ensure the financial strength of the City via prudent investments and decision making

- Conservative use of Capital Reserves
- Revenue requirements must be met
- Cost recovery must be fair and equitable

# Diversified CIP Funding



# Electric Key Accomplishments – 2020

- **The APPA's Reliable Public Power Provider (RP3) Program.** The City had applied for the Reliable Public Power Provider (RP3) program in 2019. In April 2020, City earned a Reliable Public Power designation from the American Public Power Association (APPA) for providing reliable and safe electric service.
  - The RP3 designation, which lasts for three years, recognizes public power utilities that demonstrate proficiency in four key disciplines: reliability, safety, workforce development, and system improvement. Criteria include sound business practices and a utility-wide commitment to safe and reliable delivery of electricity.
- **The installation of new Supervisory Control and Data Acquisition (SCADA) system.** We are migrating from our existing SCADA system to a new system using the Survalent platform. The Survalent SCADA brings operational cost savings as well as new functionality. Once we completely migrate to Survalent SCADA, our annual SCADA maintenance cost will drop from \$56k to \$19k. We will be able to merge our AMI (smart meter) system to the Survalent SCADA system to improve our system functionality. The project is in progress, and we are on track to be complete by the end of 2020.
- **Circuit Breaker Replacement.** A new 35kV circuit breaker at the Fremont Road substation will be installed. The new circuit breaker will replace the 45 years old 35kV oil circuit breaker. The project is in progress, and we are on track to complete this project by the first quarter of 2021.
- **The installation of EV charging station.** The EV charging stations will be installed at the City Hall parking lot and Parking Lot # 1 behind the Galleria. The project is in progress, and we are on track to complete this project by the end of 2020.
- **The electric cost of service and rate study** is on hold due to COVID-19.

# Parks & Recreation Key Accomplishments - 2020

- Implemented a new online registration software system that will better serve our needs and be PCI compliant.
- Installed new HVAC system at the George Wilson Center (part of ESCO Project).
- Finalized update to Landscape Screening and Treatment Ordinance.
- Implemented additional Parks on Draft dates during the summer months at different locations within the City of Newark park system.
- Created new fall and holiday events that meet the state COVID-19 guidelines following the cancelation of our traditional large events due to the coronavirus.
- Completed a COVID-19 Camp Procedures Guide and Communicable Disease Plan for summer camps as per recommendations from the Centers for Disease Control, American Camp Association and the Delaware Division of Public Health.
- Handled all coronavirus mandated safety guidelines which included removal and replacement of basketball rims and tennis nets, playgrounds and updated signage throughout the park system.
- Created park signage design for initial phase of sign replacement within park system.
- Power washed Lumbrook and Fairfield Crest tennis courts for mold remediation.

# PWWR Key Accomplishments - 2020

- **Stormwater Utility**
  - Completed demolition and mass excavation at the Rodney Park and Stormwater Pond Project. Final Park and Pond construction is underway, targeting a Spring 2021 opening.
  - Prepared plans and specifications for bidding for rehabilitation of corrugated metal pipe (CMP), to be completed in late 2020.
- **GIS Development**
  - Streamlined Bulk Refuse Collection process utilizing GIS for scheduling, performing, and reporting of this popular service.
- **Fleet Maintenance**
  - Completed the procurement of several frontline utility vehicles including but not limited to a backhoe, swap loading dump truck, and primary water maintenance truck.
  - Identified and executed a mutually beneficial swap with neighboring municipality for the disposition of a refuse vehicle and acquisition of a skid steer loader.

# PWWR Key Accomplishments - 2020

## ■ Sewer Utility

- Completed Plans and specifications for high priority point repairs, including bypass and check valve replacements at critical locations in pressure sewer system.
- Sanitary Sewer Evaluation, Inspection, and Repairs
  - State Revolving Fund Matching Planning Grant. \$50,000 grant, \$50,000 match paid for by City. The following tasks completed in 2020 focus on our 2 largest sewer pumping stations, Cooches Bridge and Silverbrook:
    - Sewer Flow Level Monitoring in the upstream manholes of Cooches Bridge PS to identify the trunkline source of the Inflow and Infiltration.
    - Smoke Testing of nearly 10,000 linear feet of sewer main to identify sources of surface inflow or interconnections with the storm sewer system.
    - CCTV of approximately 10,000 linear feet of sewer mains to identify defects and program future repairs or rehabilitation.
    - Testing and Plan preparation for potential activation of an emergency bypass for the Silverbrook PS.
  - Any recommended repairs or upgrades will fall under the Sanitary Sewer Study and Repair CIP which is funded through the SRF via the 2018 Capital Referendum.



# PWWR Key Accomplishments - 2020

- Sewer Utility – Cont'd
  - State Revolving Fund Loan Funding: S0904 Sanitary Sewer Study and Repairs (\$570,000).
    - Prepared plans and specifications for point repairs at 9 locations that have been identified through previous CCTV work associated with this funding source. (Approx. \$45,000).
    - Expected completion of the point repair project in late 2020 or early 2021. (Est. \$400,000).
    - Completed CCTV on 16,700 linear feet of gravity sewer main. Plans, specifications, and construction for any lining and rehabilitation work identified through this evaluation will be completed in early 2021. (Approx. \$125,000).

# PWWR Key Accomplishments – 2020 Cont'd

## ■ Water Utility

- Wilson Road, Dallam Road, Baylor Drive, and Tufts Lane Water Main replacement and upgrades completed.
  - This \$1mm upgrade was made possible by the State Revolving Loan Fund and the 2018 Capital Referendum.
  - New main on Tufts, Baylor and Dallam Road between Vassar Drive and Radcliffe is a 10" diameter (old main was 6") to improve fire flow.
  - Fire flow increase from pipe diameter increase was modeled in new water system GIS model and results were confirmed in the field after construction.
- Broke ground on a \$4mm major overhaul of our South Well Field Water Treatment Plant. Scheduled to be completed in late 2020 and will increase treatment efficiency and capacity.

## ■ Engineering

- Reviewed and approved 42 plan submissions for new development or new construction.
- Heavy coordination with DeDOT on the Main Street and Elkton Road Projects.
- Partnered with the Parking Division to complete the expansion and paving of Municipal Parking Lot #1.

# Information Technology Key Accomplishments - 2020

- Moved equipment and key staff from office to remote environment during Coronavirus pandemic.
- **AeroHive wireless access points have been replaced** throughout City Hall enhancing the reliability and speed of the connected devices that utilize the City's Wi-Fi network.
- **James Hall Trail camera installation** and configuration was completed.
- **Document migration to SharePoint** is in progress providing version control, collaboration capabilities and more granular permissions.
- Worked with the Police Department on the **implementation of body cameras** along with new vehicle dash cameras and interview room installations.
- **Upgrades to City applications** including SCADA, ARCGIS, Tyler (City's accounting/HR systems), mCare (meter software), Harris Customer Connect (utility billing/customer interface), FieldSense (electric/water field staff), and Authorize.net (credit card interface).
- Implemented online payments for Permits.

# GIS Key Accomplishments - 2020

- **Operation Dashboards** – Successfully created comprehensive summary applications providing location-aware data visualization and analytics for a real-time operational view of PWWR assets and condition.
- **Inter-Departmental Database Connectivity** – Established real-time links between the City’s principal data tracking applications and GIS. The live data relationships allow information such as property borders, zoning, permit status, code violations, and utility meter readings to be combined for spatial analysis.
- **Field Asset Mapping & Inspection Surveys** - Digitally mapped PWWR assets and recorded condition in the field using mobile tablets (i.e. Sanitary Sewer Flushing Data, Dry Weather Outfall Inspections, Street Pavement Markings, and Road Signage). These resultant data assist the department in identifying “Hot Spot” areas and locations targeted for follow-up activities.
- **Paperless Workflow** - Successfully continued to implement additional paperless platforms for the PWWR Department. In 2019, staff combined GIS mobile workflows and database reporting capabilities to develop an on- demand stormwater outfall inspection report. The report can be saved directly as a digital file and then forwarded to appropriate recipients.

# 2021-2025 Recommended CIP

## FUNDING SUMMARY

	2021	2022	2023	2024	2025	Total 5 Year
New Funding:	\$ 15,508,143	\$ 11,753,611	\$ 9,557,077	\$ 27,337,336	\$ 8,254,098	\$ 72,410,265
*Prior Authorized Balance:	\$ 7,433,405	\$ 856,434	\$ 2,065,172	\$ -	\$ -	\$ 10,355,011
2021-2025 Funding:	\$ 22,941,548	\$ 12,610,045	\$ 11,622,249	\$ 27,337,336	\$ 8,254,098	\$ 82,765,276

\*Prior Authorized Balance includes 2020 carryover funding only.

	2020 BUDGET AS AMENDED	2021		P R O P O S E D B U D G E T S					TOTAL PROPOSED AMOUNTS
		RESERVES AND OTHER FUNDING	CURRENT FUNDING	2021	2022	2023	2024	2025	
ELECTRIC FUND	\$ 1,481,606	\$ 131,281	\$ 538,719	\$ 670,000	\$ 1,950,000	\$ 3,288,000	\$ 16,215,000	\$ 715,000	\$ 22,838,000
WATER FUND	5,033,396	4,181,030	453,989	4,635,019	3,994,000	1,854,000	3,175,000	1,535,000	15,193,019
SEWER FUND	1,000,000	800,000	-	800,000	2,050,000	1,000,000	1,350,000	1,000,000	6,200,000
STORMWATER FUND	6,543,406	2,151,593	44,511	2,196,104	625,000	645,000	885,000	725,000	5,076,104
PUBLIC WORKS - GENERAL FUND	1,747,448	2,128,009	100,155	2,228,164	2,425,680	2,892,184	3,060,743	3,185,743	13,792,514
POLICE DEPARTMENT	605,964	125,772	107,506	233,278	346,090	687,065	684,593	153,355	2,104,381
PARKS AND RECREATION DEPARTMENT	2,688,954	2,250,788	85,000	2,335,788	639,275	926,000	1,047,000	885,000	5,833,063
PARKING FUND	343,391	32,459	123,741	156,200	-	-	40,000	-	196,200
INFORMATION TECHNOLOGY DIVISION	32,500	17,700	75,000	92,700	365,000	-	-	-	457,700
MAINTENANCE FUND	1,228,000	9,489,295	10,000	9,499,295	165,000	295,000	730,000	55,000	10,744,295
OTHER DEPARTMENTS/DIVISIONS	20,000	130,000	-	130,000	50,000	35,000	150,000	-	365,000
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$ 20,724,665</b>	<b>\$ 21,437,927</b>	<b>\$ 1,538,621</b>	<b>\$ 22,976,548</b>	<b>\$ 12,610,045</b>	<b>\$ 11,622,249</b>	<b>\$ 27,337,336</b>	<b>\$ 8,254,098</b>	<b>\$ 82,800,276</b>

# 2021-2025 Recommended – Financing Sources

PLANNED FINANCING SOURCES:		RESERVES/OTHER	CURRENT	2021	2022	2023	2024	2025	TOTAL
GROSS CAPITAL IMPROVEMENTS	\$ 20,724,665	\$ 21,437,927	\$ 1,538,621	\$ 22,976,548	\$ 12,610,045	\$ 11,622,249	\$ 27,337,336	\$ 8,254,098	\$ 82,800,276
LESS: USE OF RESERVES	(654,726)	(1,450,168)	-	(1,450,168)	(485,963)	(2,001,532)	(35,927)	-	(3,973,590)
VEHICLE & EQUIPMENT REPLACEMENT	(730,778)	(614,497)	-	(614,497)	(1,161,088)	(1,365,550)	(1,530,160)	(1,172,344)	(5,843,639)
GRANTS	(2,268,076)	(3,813,409)	-	(3,813,409)	(751,343)	(819,743)	(759,816)	(645,743)	(6,790,054)
BOND ISSUES	(767,947)	(646,888)	-	(646,888)	(403,178)	(281,000)	(15,832,000)	(190,000)	(17,353,066)
STATE REVOLVING LOAN	(11,360,048)	(6,007,000)	-	(6,007,000)	(4,725,000)	-	-	-	(10,732,000)
OTHER FINANCING SOURCES	(1,754,530)	(8,905,965)	-	(8,905,965)	(180,000)	(180,000)	(180,000)	(180,000)	(9,625,965)
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$ 3,188,560</b>	<b>\$ -</b>	<b>\$ 1,538,621</b>	<b>\$ 1,538,621</b>	<b>\$ 4,903,473</b>	<b>\$ 6,974,424</b>	<b>\$ 8,999,433</b>	<b>\$ 6,066,011</b>	<b>\$ 28,481,962</b>

City utilizes a variety of sources to fund capital projects

- \$3.6M (15.7%) of 2021 CIP will be funded via City funds
- \$38.3M (46.3%) of 5-year CIP will be funded via City funds
- Continued reliance on the State Revolving Loan Program and grant funding

# 2021-2025 Recommended – 2021’s Largest Projects

PROJECT NUMBER	FUND	PROJECT NAME	CITY FUNDS				NON-CITY RESOURCES (DEBT SERVICE)				2021 TOTAL	
			CURRENT RESOURCES	CAPITAL RESERVES	EQUIPMENT REPLACEMENT	TOTAL CITY FUNDS	GRANTS	BOND ISSUES	STATE REVOLVING LOAN	OTHER		TOTAL CITY FUNDS
<b>2021 PROJECTS</b>												
N1901	Maintenance	Energy Savings Project (ESCO) – Formerly known as “City Hall HVAC upgrade”	\$ -	\$ -	\$ -	\$ -	\$ 1,033,330	\$ -	\$ -	\$ 8,455,965	\$ 9,489,295	\$ 9,489,295
W9308	Water	Water Main Replacement Program				-			2,000,000		2,000,000	2,000,000
W8605	Water	Water Tank Maintenance				-			1,800,000		1,800,000	1,800,000
H2101	Streets	Annual Street Program				-	1,141,486	325,252		120,000	1,586,738	1,586,738
K1601	Capital	Charles Emerson Bicycle/Pedestrian Bridge	-	348,130	-	348,130	1,304,520			210,000	1,514,520	1,862,650
Q1802	Stormwater	Rodney Regional Stormwater Park				-			1,407,000		1,407,000	1,407,000
S0904	Sewer	Sanitary Sewer and Repairs				-			800,000		800,000	800,000
Q1301	Stormwater	Storm Drainage Improvements		609,476		609,476					-	609,476
<b>TOTAL 2021 LARGE PROJECTS:</b>			<b>\$ -</b>	<b>\$ 957,606</b>	<b>\$ -</b>	<b>\$ 957,606</b>	<b>\$ 3,479,336</b>	<b>\$ 325,252</b>	<b>\$ 6,007,000</b>	<b>\$ 8,785,965</b>	<b>\$ 18,597,553</b>	<b>\$ 19,555,159</b>
% Funding Coming from City Funds in 2021 (largest projects):						4.9%					95.1%	100%
<b>2021 GROSS CAPITAL IMPROVEMENTS:</b>			<b>1,538,621</b>	<b>1,450,168</b>	<b>614,497</b>	<b>3,603,286</b>	<b>3,813,409</b>	<b>646,888</b>	<b>6,007,000</b>	<b>8,905,965</b>	<b>19,373,262</b>	<b>22,976,548</b>
% of Total 2021 CIP Budget:			-	66%	0%	27%	91%	50%	100%	99%	96%	85%

- Out Years:

- E2002 - New Electric Substation (2021: \$200,000 for study), (2023-2024: \$17,700,000, date may change per study)
  - W2001 – Newark Reservoir Upgrades (2023-2024: \$1,600,000)

# Energy Savings Project (ESCO)– N1901

City Hall has been in dire need of large repairs for several years, recent history of such includes:

- N1901: 2019-2023 CIP - to determine the needs for HVAC (\$1,000,000 initially budgeted, not spent)
  - Cost of repairs were unknown at time, as investment grade audit had yet to be completed.
  - City received 1:1 matching grant for audit (\$17,500 grant)
- N2003: 2020-2024 CIP - \$70,000 to patch roofs on City buildings in 2020, which primarily covered City Hall
  - Full replacement cost for City Hall and NPD was estimated to be just under \$800,000 in 2019
  - Portions of N2003 now included in the ESCO Project plus GWC and two flat roofs at maintenance yard
- N1603: 2020-2024 CIP - \$105,000 to replace GWC HVAC, now incorporated into this project
- Expansion of the N1901 project allows these repairs to be made with savings generated from:
  - Operating and maintenance savings
  - Energy efficiencies gained from combination of project elements
  - New revenues generated over the next 20 years
  - Over \$1 million in grants to fund the project
- Meets the recommendations contained within the City's Sustainability Plan
- Project cost detail is seen on the next slide



ECM #	BUILDING NAME	CATEGORY	FUND	DESCRIPTION	COST	% OF PROJECT
N/A	All	General	All	Add Performance and Payment Bond Costs	\$ 105,617.31	1.1%
N/A	All	General	All	Add Project Management, Engineering, Administration, Other General Conditions	1,219,493.90	12.9%
1	Muni	Lighting	Electric	LED Lighting Interior - Muni	81,226.60	0.9%
2	Police	Lighting	Electric	LED Lighting Interior - Police	45,875.20	0.5%
3	Muni & Police	Lighting	Electric	LED Lighting Exterior - Muni & Police	12,936.00	0.1%
5	Comm Ctr	Lighting	Electric	LED Lighting - Wilson Comm Center	36,803.20	0.4%
6	Street Lighting	Lighting	Electric	LED Lighting - Pole Topper LED Retrofit, Quantity 811	793,989.00	8.4%
7	Street Lighting	Lighting	Electric	Lighting Controls - Street & Pedestrian Lights (2,811)	420,000.00	4.4%
8	Field Operations Complex	Lighting	Electric	LED Lighting - Field Operations Complex	84,596.40	0.9%
9	Municipal Lots	Lighting	Electric	LED Parking Lot Lighting	40,880.00	0.4%
10	Municipal Lots	Lighting	Electric	Lighting Controls - Parking Lot Lights	10,220.00	0.1%
11	Muni	HVAC	All	Deep Retrofit HVAC System - Muni	1,621,323.53	17.1%
12	Police	HVAC	General	Deep Retrofit HVAC System - Police	938,823.53	9.9%
13	George Wilson Center	HVAC	General	New HVAC System - George Wilson Center	276,470.59	2.9%
14	Reservoir	Solar	Electric	Reservoir Solar Array (429.3 kW)	827,353.48	8.7%
15	Muni & Police	Solar	Electric	Rooftop Solar - Muni & Police (111.5 kW)	222,294.30	2.3%
16	Field Operations Complex	Solar	Electric	Rooftop Solar - Parks and Rec Bldg (56.9 kW)	113,639.24	1.2%
17	Field Operations Complex	Solar	Electric	Rooftop Solar - Yard Red Building (228.2 kW)	454,955.70	4.8%
18	Comm Ctr	Solar	Electric	Rooftop Solar - Comm Center (46 kW)	91,708.86	1.0%
19	McKees Park	Solar	Electric	Expand McKees Solar Park (431.8 kW)	872,345.32	9.2%
21	Muni & Police	Transformers	Electric	Transformers	49,736.84	0.5%
22	Water Treatment Plant	VFDs	Water	Pump VFDs for Water Treatment Plants	137,307.69	1.4%
25	Field Operations Complex	Generator	All	Waste Oil Generator	24,230.77	0.3%
27	Muni & Police	Roofing	All	Muni & Police New Roof (End of Life, Need for Solar)	571,651.90	6.0%
28	Comm Ctr	Roofing	General	Comm Center New Roof (End of Life, Need for Solar)	200,962.03	2.1%
29	Field Operations Complex	Roofing	All	Parks & Rec Admin Bldg New Roof (End of Life, Need for Solar)	234,854.43	2.5%
<b>Total Contract Value, Sum of All Line Items</b>					<b>\$ 9,489,295.81</b>	<b>100.0%</b>

# Energy Savings Project (ESCO)– N1901 17

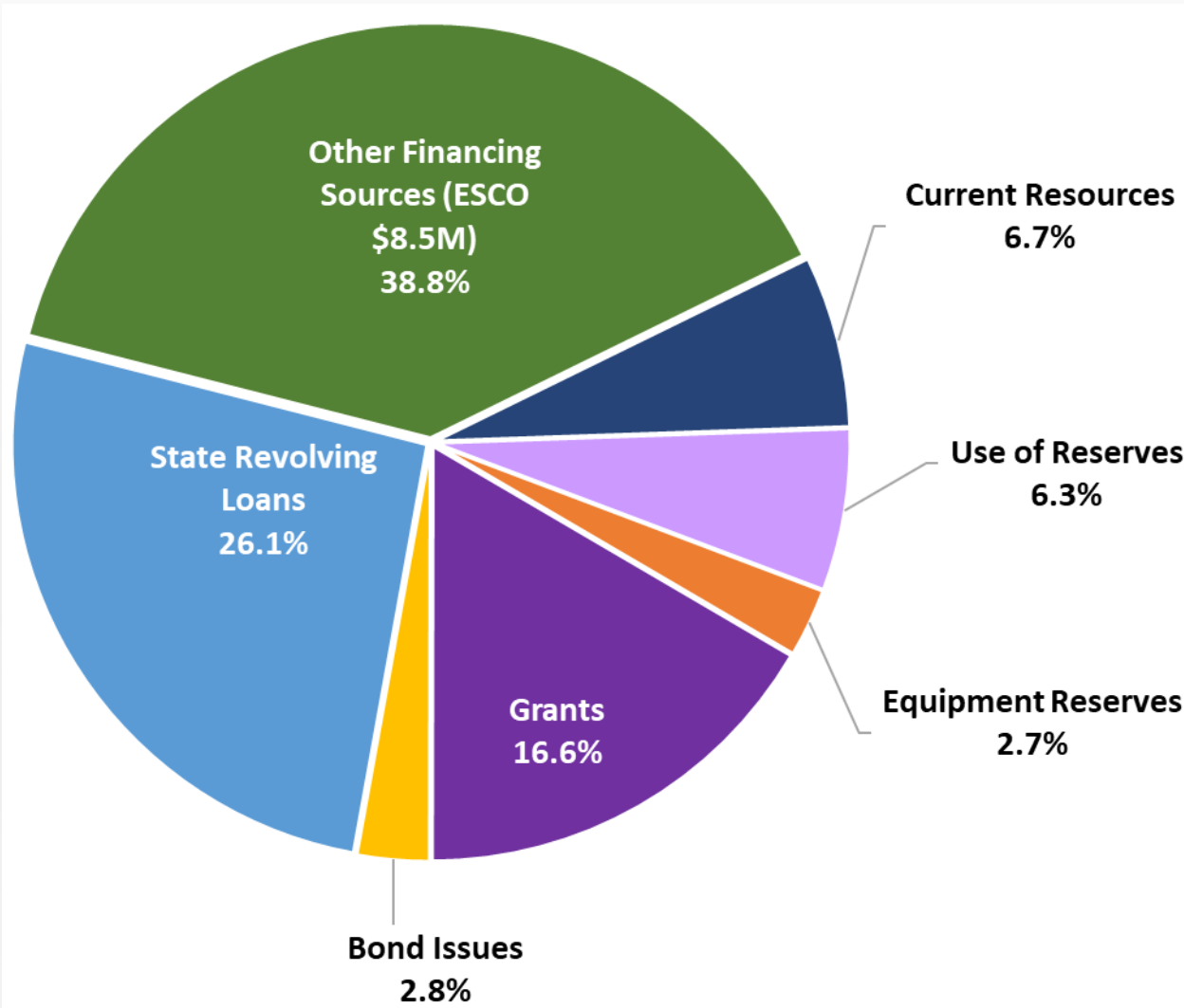
# 2020-2024 Approved vs. 2021-2025 Recommended

FUND	2020 CIP (2020-2024)	2021 CIP (2021-2025)	DIFFERENCE	COMMENTS (REASON FOR DIFFERENCE)
Stormwater	6,543,406	2,196,104	(4,347,302)	Rodney project coming to completion. No new projects in 2021.
Water	5,033,396	4,635,019	(398,377)	New in 2021: New London Tank Chlorination (\$265K), Roseville Park Pressure District (\$100K), increase Water Tank Maint (\$1M), Air Stripper in 2020 (-\$2.6M)
General	5,094,866	4,889,930	(204,936)	Police firearms range removed. Other completed projects in 2020 & not carried into 2021.
Electric	1,481,606	670,000	(811,606)	Equipment replacement in 2020, completion of projects in 2020, one new project - Christianstead Cable Addition (\$60K).
Sewer	1,000,000	800,000	(200,000)	Annual sewer maintenance program. No new projects in 2021.
Maintenance	1,228,000	9,499,295	8,271,295	ESCO project
Parking	343,391	156,200	(187,191)	Completion of Kiosk project and parking lot resurfacing in 2020.
Transportation	-	130,000	130,000	UniCity program. Bus replacement.
<b>Total:</b>	<b>\$ 20,724,665</b>	<b>\$ 22,976,548</b>	<b>\$ 2,251,883</b>	

# 2021 CIP Funding Sources

FUND	2021 CIP	STATE REVOLVING LOAN	BOND ISSUES	EQUIPMENT RESERVES	GRANTS / OTHER	CAPITAL RESERVES	CURRENT RESOURCES
Stormwater	\$ 2,196,104	\$ (1,407,000)	\$ -	\$ (13,489)	\$ -	\$ (731,104)	\$ (44,511)
Water	4,635,019	(3,800,000)	-	(25,011)	(125,000)	(231,019)	(453,989)
General	4,889,930	-	(646,888)	(532,257)	(2,871,006)	(472,118)	(367,661)
Electric	670,000	-	-	(11,281)	(120,000)	-	(538,719)
Sewer	800,000	(800,000)	-	-	-	-	-
Maintenance	9,499,295	-	-	-	(9,489,295)	-	(10,000)
Parking	156,200	-	-	(32,459)	-	-	(123,741)
Transportation	130,000	-	-	-	(114,073)	(15,927)	-
<b>Total:</b>	<b>\$ 22,976,548</b>	<b>\$ (6,007,000)</b>	<b>\$ (646,888)</b>	<b>\$ (614,497)</b>	<b>\$ (12,719,374)</b>	<b>\$ (1,450,168)</b>	<b>\$ (1,538,621)</b>

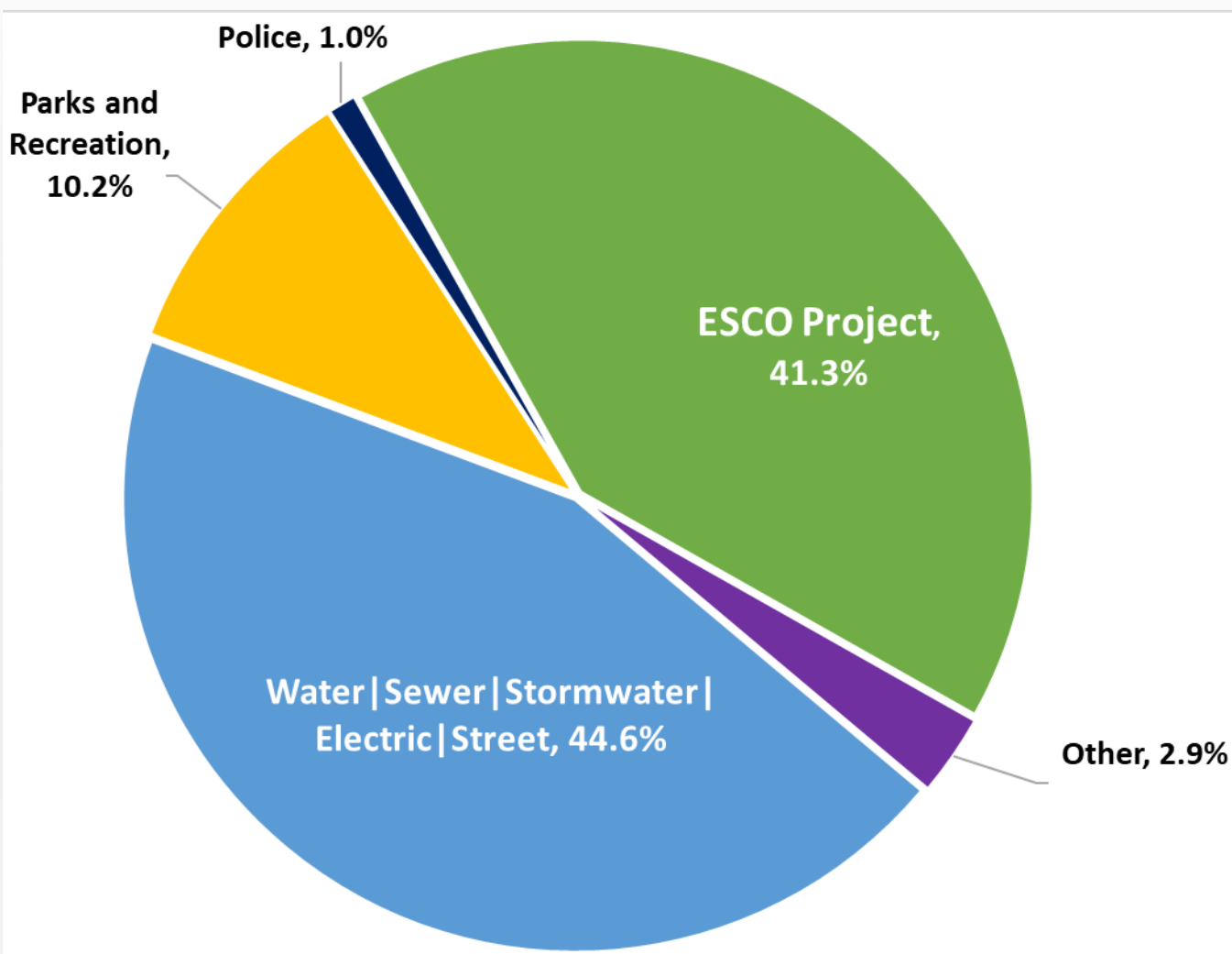
# 2021 Funding Sources for CIP



2021 FINANCING SOURCE	2021 AMOUNT	% OF BUDGET
Use of Reserves	\$ 1,450,168	6.3%
Equipment Reserves	614,497	2.7%
Grants	3,813,409	16.6%
Bond Issues	646,888	2.8%
State Revolving Loans	6,007,000	26.1%
Other Financing Sources (ESCO \$8.5M)	8,905,965	38.8%
Current Resources	1,538,621	6.7%
<b>Total:</b>	<b>\$ 22,976,548</b>	<b>100.0%</b>

FINANCING SOURCE	% OF 2020 BUDGET	% OF 2021 BUDGET
Use of Reserves	3.2%	6.3%
Equipment Reserves	3.5%	2.7%
Grants	10.9%	16.6%
Bond Issues	3.7%	2.8%
State Revolving Loans	54.8%	26.1%
Other Financing Sources	8.5%	38.8%
Current Resources	15.4%	6.7%
<b>Total:</b>	<b>100.0%</b>	<b>100.0%</b>

# 2021 Gross Capital Expenditures by Department



DEPARTMENT / DIVISION	2021 BUDGET	% OF 2021 BUDGET
Stormwater	\$ 2,196,104	9.6%
Water	4,635,019	20.2%
Parks and Recreation	2,335,788	10.2%
Street Program	1,942,474	8.5%
Refuse	285,690	1.2%
Electric	670,000	2.9%
Maintenance Fund (ESCO)	9,499,295	41.3%
Sewer	800,000	3.5%
Police	233,278	1.0%
Parking	156,200	0.7%
Information Technology	92,700	0.4%
Other Departments/Divisions	130,000	0.6%

**Grand Total:** \$ 22,976,548 100.0%

DEPARTMENT / DIVISION	2021 BUDGET	% OF 2021 BUDGET
Water   Sewer   Stormwater   Electric   Street	\$ 10,243,597	44.6%
Parks and Recreation	2,335,788	10.2%
Police	233,278	1.0%
ESCO Project	9,489,295	41.3%
Other	674,590	2.9%

**Grand Total:** \$ 22,976,548 100.0%

# Capital Projects – Priority 1 Projects

PROJECT NUMBER	DEPARTMENT / DIVISION	FUND	PROJECT DESCRIPTION	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
				RECOMMENDED FUNDING					
				2021	2022	2023	2024	2025	TOTAL
E2101	Electric	Electric	New Lines and Services	135,000	140,000	145,000	145,000	145,000	710,000
E1502	Electric	Electric	Underground Distribution - UD Star Campus	120,000	120,000	120,000	120,000	120,000	600,000
W1601	Water	Water	Backup Generation at Water Facilities	100,000	-	-	-	-	100,000
W0503	Water	Water	Well Restoration Program	70,019	29,000	29,000	-	-	128,019
W9308	Water	Water	Water Main Replacement Program	2,000,000	1,000,000	1,250,000	1,500,000	1,500,000	7,250,000
Q1802	Stormwater	Stormwater	Rodney Regional Stormwater Park	1,407,000	-	-	-	-	1,407,000
Q1301	Stormwater	Stormwater	Storm Drainage Improvements	609,476	550,000	525,000	550,000	550,000	2,784,476
Q0101	Stormwater	Stormwater	Stormwater Quality Improvements (NPDES Phase II Permit)	146,628	75,000	75,000	85,000	100,000	481,628
S0904	Sewer	Sewer	Sanitary Sewer Study and Repairs	800,000	1,800,000	1,000,000	1,000,000	1,000,000	5,600,000
H2101	Street	General	Annual Street Program	1,586,738	1,669,502	1,780,743	1,780,743	2,130,743	8,948,469
H2102	Street	General	ADA Accessibility Transition Plan	159,736	163,178	166,441	175,000	175,000	839,355
C1904	Police	General	Body Worn Camera Project	68,268	68,268	68,268	-	-	204,804
C1601	Police	General	Taser X26P Replacement	23,516	24,692	25,927	27,223	28,584	129,942
C1401	Police	General	Ballistic Vests	27,554	14,190	7,870	17,370	4,771	71,755
K1601	Parks & Recreation	General	Charles Emerson Bicycle/Pedestrian Bridge	1,862,650	-	-	-	-	1,862,650
V1703	Parking	Parking	Lot Countdown Signs	15,000	-	-	-	-	15,000
N1901	Facilities Maintenance	Maintenance	Energy Savings Project (ESCO)	9,489,295	-	-	-	-	9,489,295
<b>*Includes Debt Funding</b>				<b>\$18,620,880</b>	<b>\$ 5,653,830</b>	<b>\$ 5,193,249</b>	<b>\$ 5,400,336</b>	<b>\$ 5,754,098</b>	<b>\$ 40,622,393</b>

# Capital Projects – Equipment

PROJECT NUMBER	DEPARTMENT / DIVISION	FUND	PROJECT DESCRIPTION	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
				2021	2022	2023	2024	2025	
EEQSF	Electric	Electric	Equipment Replacement Program	30,000	470,000	338,000	100,000	450,000	1,388,000
WEQSF	Water	Water	Equipment Replacement Program	35,000	65,000	50,000	50,000	35,000	235,000
QEQSF	Stormwater	Stormwater	Equipment Replacement Program	33,000	-	45,000	250,000	75,000	403,000
SEQSF	Sewer	Sewer	Equipment Replacement Program	-	250,000	-	350,000	-	600,000
REQSF	Refuse	General	Equipment Replacement Program	285,690	225,000	200,000	600,000	600,000	1,910,690
HEQSF	Street	General	Equipment Replacement Program	196,000	293,000	635,000	350,000	150,000	1,624,000
TEQSF	Engineering	General	Equipment Replacement Program	-	-	35,000	-	50,000	85,000
CEQSF	Police	General	Equipment Replacement Program	113,940	238,940	585,000	640,000	120,000	1,697,880
KEQSF	Parks & Recreation	General	Equipment Replacement Program	40,000	145,000	185,000	25,000	35,000	430,000
BEQSF	Code Enforcement	General	Equipment Replacement Program	-	50,000	-	-	-	50,000
FEQSF	Finance	General	Equipment Replacement Program	-	-	35,000	-	-	35,000
UEQSF	Unicity Transportation	Transportation	Equipment Replacement Program	130,000	-	-	150,000	-	280,000
VEQSF	Parking	Parking	Equipment Replacement Program	54,000	-	-	40,000	-	94,000
NEQSF	Facilities Maintenance	Maintenance	Equipment Replacement Program	-	35,000	-	-	-	35,000
<b>*Includes Grant Funding</b>				<b>\$ 917,630</b>	<b>\$ 1,771,940</b>	<b>\$ 2,108,000</b>	<b>\$ 2,555,000</b>	<b>\$ 1,515,000</b>	<b>\$ 8,867,570</b>

# Capital Projects – Priority 2 Projects

PROJECT NUMBER	DEPARTMENT / DIVISION	FUND	PROJECT DESCRIPTION	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
				2021	2022	2023	2024	2025	
E2002	Electric	Electric	New Substation	200,000	-	2,000,000	15,700,000	-	17,900,000
E1807	Electric	Electric	Relay Replacements - Kershaw Substation	50,000	50,000	50,000	-	-	150,000
W2103	Water	Water	New London Water Tank Chlorination	265,000	-	-	-	-	265,000
W2001	Water	Water	Newark Reservoir Upgrades	-	-	100,000	1,500,000	-	1,600,000
W1701	Water	Water	Valve Inspection, Exercising and Rehabilitation	165,000	125,000	125,000	125,000	-	540,000
W1703	Water	Water	Laird Tract Well Field Restoration	100,000	1,925,000	-	-	-	2,025,000
W8605	Water	Water	Water Tank Maintenance	1,800,000	500,000	-	-	-	2,300,000
H1503	Street	General	Newark Transportation Plan Implementation	-	75,000	75,000	80,000	80,000	310,000
K2004	Parks & Recreation	General	Facilities Accessibilty (ADA Compliance)	45,000	30,000	30,000	30,000	20,000	155,000
K1301	Parks & Recreation	General	Hard Surface Facilities Improvements	186,900	265,000	225,000	132,000	190,000	998,900
K0908	Parks & Recreation	General	Children's Play Equipment	40,000	40,000	56,000	60,000	40,000	236,000
N2003	Facilities Maintenance	Maintenance	City Building Roof Repair/Replacement	10,000	-	-	-	55,000	65,000
<b>*Includes Debt Funding</b>				<b>\$ 2,861,900</b>	<b>\$ 3,010,000</b>	<b>\$ 2,661,000</b>	<b>\$17,627,000</b>	<b>\$ 385,000</b>	<b>\$ 26,544,900</b>



# Capital Projects – Priority 3 Projects

PROJECT NUMBER	DEPARTMENT / DIVISION	FUND	PROJECT DESCRIPTION	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
				2021	2022	2023	2024	2025	TOTAL
E1912	Electric	Electric	35kV Disconnect Switches Replacement - Kershaw Substation	-	150,000	150,000	150,000	-	450,000
E0503	Electric	Electric	SCADA and Automatic Switching	-	450,000	-	-	-	450,000
W2101	Water	Water	Evergreen Booster Station Rehabilitation	-	250,000	-	-	-	250,000
W2102	Water	Water	Highfield Drive Booster Station Rehabilitation	-	100,000	-	-	-	100,000
W1602	Water	Water	Roseville Park Pressure District	100,000	-	-	-	-	100,000
W1503	Water	Water	Academy Street Interconnection Pump Station	-	-	300,000	-	-	300,000
H1903	Street	General	Skid Steer Purchase	-	-	-	75,000	-	75,000
K1203	Parks & Recreation	General	Old Paper Mill Park Improvements	91,238	-	-	600,000	600,000	1,291,238
V2002	Parking	Parking	Campus District Kiosk Installation	87,200	-	-	-	-	87,200
I1601	Information Technology	General	Virtual Environment Host Replacement	-	75,000	-	-	-	75,000
I1606	Information Technology	General	Disaster Recovery and Planning	-	75,000	-	-	-	75,000
N1803	Facilities Maintenance	Maintenance	Exterior Paint and Powerwash	-	50,000	-	-	-	50,000
				<b>\$ 278,438</b>	<b>\$ 1,150,000</b>	<b>\$ 450,000</b>	<b>\$ 825,000</b>	<b>\$ 600,000</b>	<b>\$ 3,303,438</b>

# Capital Projects – Priority 4 Projects

PROJECT NUMBER	DEPARTMENT / DIVISION	FUND	PROJECT DESCRIPTION	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
				2021	2022	2023	2024	2025	TOTAL
E1911	Electric	Electric	35kV Line 3402 Capacity Upgrade	-	250,000	250,000	-	-	500,000
E1805	Electric	Electric	Line Extension across UD Farm	-	320,000	-	-	-	320,000
E1806	Electric	Electric	Christianstead Underground Primary Cable Addition	60,000	-	-	-	-	60,000
K2001	Parks & Recreation	General	Park Signage	70,000	-	-	-	-	70,000
K2002	Parks & Recreation	General	Olan Thomas Sidewalk Improvement	-	-	200,000	-	-	200,000
K2003	Parks & Recreation	General	Handloff Park Trail	-	-	-	200,000	-	200,000
K2005	Parks & Recreation	General	Track Loader/Mini-Skid Steerer	-	36,000	-	-	-	36,000
K1704	Parks & Recreation	General	Lumbrook Park Pavilion	-	41,275	-	-	-	41,275
K1605	Parks & Recreation	General	Redd Park Trail Improvements	-	32,000	30,000	-	-	62,000
K1501	Parks & Recreation	General	Iron Glen Park Master Plan	-	50,000	-	-	-	50,000
K1202	Parks & Recreation	General	Kershaw Park Improvements	-	-	200,000	-	-	200,000
I1902	Information Technology	General	Tyler Technologies Cash Management Module	17,700	-	-	-	-	17,700
I1801	Information Technology	General	Citywide Fiber (Phase II)	-	140,000	-	-	-	140,000
N2002	Facilities Maintenance	Maintenance	City Hall - Carpet Upgrades	-	-	35,000	30,000	-	65,000
N1806	Facilities Maintenance	Maintenance	FOC - Master Plan	-	-	210,000	700,000	-	910,000
N1809	Facilities Maintenance	Maintenance	TRN - New Windows	-	80,000	50,000	-	-	130,000
<b>*Includes Debt Funding</b>				<b>\$ 147,700</b>	<b>\$ 949,275</b>	<b>\$ 975,000</b>	<b>\$ 930,000</b>	<b>\$ -</b>	<b>\$ 3,001,975</b>

# Capital Projects – Priority 5 Projects

PROJECT NUMBER	DEPARTMENT / DIVISION	FUND	PROJECT DESCRIPTION	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
				2021	2022	2023	2024	2025	
E1808	Electric	Electric	Voltage Upgrade - North College Avenue	75,000	-	-	-	-	75,000
E1810	Electric	Electric	Lightning Arrestor Replacement	-	-	235,000	-	-	235,000
I1804	Information Technology	General	Harris Automation Platform	75,000	75,000	-	-	-	150,000
				<b>\$ 150,000</b>	<b>\$ 75,000</b>	<b>\$ 235,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 460,000</b>

# Conclusion / Questions

