

# Debt Service

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**BACKGROUND**

In North Carolina, the Local Government Commission in the State Treasurer’s Office oversees local government bonded debt and assists cities and counties in all areas of fiscal management. This agency conducts bond sales and ensures that local units have sufficient fiscal capacity to repay debt. The City is subject to the Local Government Bond Act of North Carolina, which limits the amount of net bonded debt the City may have outstanding to 8% of the appraised value of property subject to taxation.

Like most municipalities, the City of Concord uses debt as a means to finance long-term capital projects and it is our policy that the financing period shall not exceed the useful life of the project. General obligation bonds are collateralized by the full faith, credit, and taxing power of the City. The revenues generated by the debt-financed asset or by the operating system of which that asset is a part are used to secure Revenue Bonds. Installment purchase contracts and Certificates of Participation (COPS) are secured by a security interest in the asset. Principal and interest requirements are provided by appropriation in the year in which they are due.

**DEBT SUMMARY**

The City of Concord holds GO Bond ratings of Aa1 from Moody’s Investor Service, AAA from Fitch IBCA, and AAA from Standard & Pools. All debt ratings indicate a strong financial position with moderate debt levels and above average amortization.

Debt Service payments on General Obligation Bonds comprise **0%** of all debt service requirements. Funds received from this method of financing were originally borrowed for public utility projects, new fire facilities, parks and recreation projects, and the terminal building at the Concord Regional Airport.

Debt Service payments on Revenue Bonds comprise **57%** of all debt service requirements. Funds received from this method of financing were originally borrowed for public utility projects and the construction of the Alfred M. Brown Operations Center. The City of Concord holds Revenue Bond ratings of Aa2 from Moody’s Investor Service, AA from Fitch IBCA, and A+ from Standard & Pools. All debt ratings indicate a strong financial position with moderate debt levels and above average amortization.

Debt Service payments on installment notes/purchase contracts, Limited Obligation Bonds and Certificates of Participation comprise **43%** of debt service payments for FY20. Funds received from this method of financing were originally borrowed for city hall construction, transportation projects, parks and recreations projects, fire facilities, a downtown parking facility, aviation projects, and a municipal golf course.

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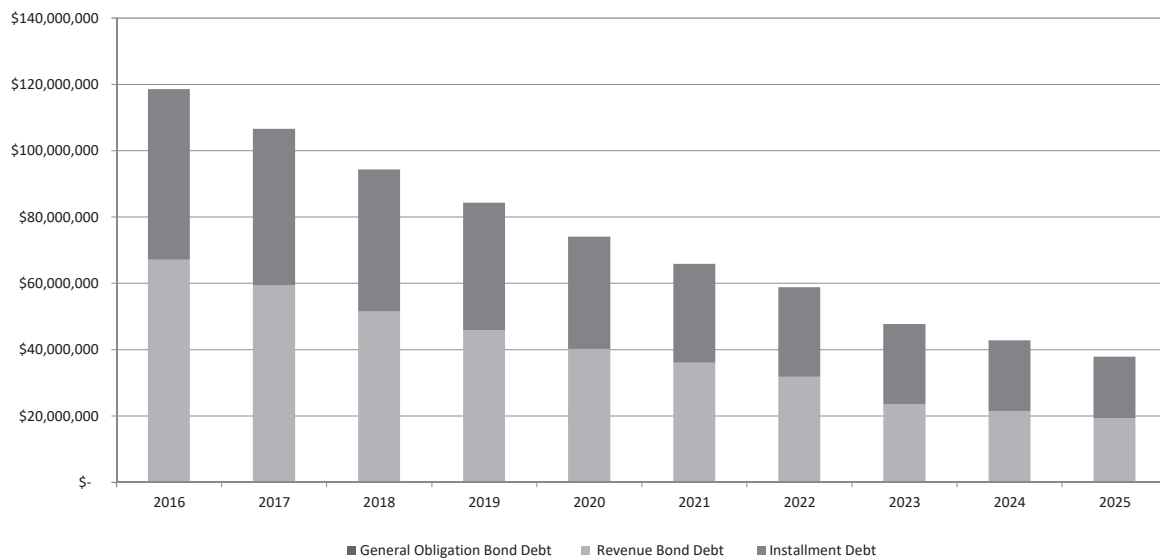
**Computation of Legal Debt Margin (June 30, 2019)**

Total Assessed Value	\$	<b>11,519,591,919</b>
Debt Limit: 8% of total assessed value (Mandated by N.C.G.S. 159-55 (c))	\$	<b>921,567,354</b>
Gross Debt:		
Outstanding G.O. Bonds	\$	-
Notes Payable/Installment Notes	\$	38,408,683
	\$	38,408,683
Amount of bonded debt incurred:		
For Electric, Water and/or Wastewater Purposes	\$	45,885,000
<b>Legal Debt Margin:</b>	<b>\$</b>	<b>837,273,671</b>
<b>Debt Percentage of Assessed Value:</b>		<b>0.73%</b>

## Outstanding Bonded Debt - Fiscal Year 2019-20

Issue Year	Series	Amount Issued	Principal as of 7/1/2019	Amount Retiring in FY 20	Interest Expense in FY 20	Outstanding 6/30/20
<b>Revenue Bonds</b>						
2016	Utilities Bonds Refunding, Series 2016	23,146,037	19,085,000	745,000	879,100	18,340,000
2012	Utilities Bonds Refunding, Series 2012	17,635,000	11,850,000	980,000	443,206	10,870,000
2009	Utilities Systems Refunding, Series 2009B	40,925,000	14,950,000	4,025,000	600,044	10,925,000
2009	Utilities Systems Refunding Series 2009	23,935,000	0	0	0	0
2008	Utilities System, Series 2008	27,365,000	0	0	0	0
<b>Total Revenue Bond Debt</b>		<b>133,006,037</b>	<b>45,885,000</b>	<b>5,750,000</b>	<b>1,922,350</b>	<b>40,135,000</b>
<b>Limited Obligation Bonds &amp; Certificates of Participation</b>						
2014	LOB Series 2014	34,130,000	25,340,000	2,305,000	1,053,174	23,035,000
2010	LOB Series 2010	9,235,000	1,700,000	855,000	68,000	845,000
<b>Sub-Total LOBS &amp; COPS</b>		<b>\$ 43,365,000</b>	<b>\$ 27,040,000</b>	<b>\$ 3,160,000</b>	<b>\$ 1,121,174</b>	<b>\$ 23,880,000</b>
<b>Capital Lease Debt</b>						
2015	Installment Note/Purchase (BNC, Airport)	5,759,000	4,682,000	377,000	113,304	4,305,000
2017	Installment Note/Purchase (Fire, Airport)	6,533,517	5,467,933	700,604	107,946	4,767,329
2005	Installment Note/Purchase (BOA)	4,500,000	1,218,750	225,000	55,893	993,750
<b>Sub-Total Capital Lease Debt</b>		<b>\$ 16,792,517</b>	<b>\$ 11,368,683</b>	<b>\$ 1,302,604</b>	<b>\$ 277,143</b>	<b>\$ 10,066,079</b>
<b>Total Loans &amp; Installment Notes/Purchases</b>		<b>\$ 60,157,517</b>	<b>\$ 38,408,683</b>	<b>\$ 4,462,604</b>	<b>\$ 1,398,317</b>	<b>\$ 33,946,079</b>
<b>ALL DEBT</b>		<b>\$ 193,163,554</b>	<b>\$ 84,293,683</b>	<b>\$ 10,212,604</b>	<b>\$ 3,320,667</b>	<b>\$ 74,081,079</b>
<b>Total Principal Plus Interest to be Serviced in FY 2019-20</b>						<b>\$ 13,533,271</b>

### Total City Debt Principal by Financing Method

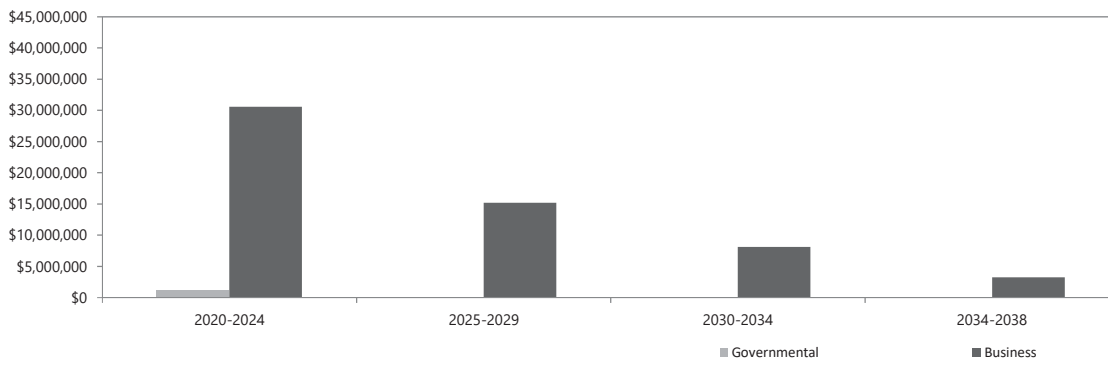


## Schedule of Total Debt Requirements by Type

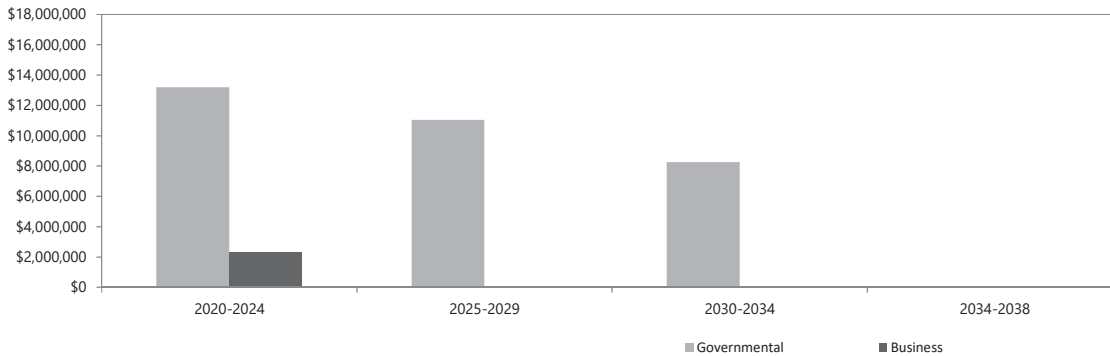
*Please note, in the tables that follow, Governmental types are those payable by General Fund and Business types are those payable by Enterprise Funds.  
The City retired all remaining General Obligation Bond debt in fiscal year 2011, so no General Obligation debt is listed in the charts below.*

	Revenue Bonds				Limited Obligation Bonds & Certificates of Participation				Other Lease Purchase & Installment Contracts (Principal & Interest)		Totals
	Governmental		Business		Governmental		Business		Governmental	Business	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest			
2020-2024	994,175	103,855	23,400,825	7,197,210	8,806,000	4,386,810	2,184,000	94,201	1,565,357	5,930,320	54,662,753
2025-2029	0	0	11,735,000	3,459,397	8,615,000	2,425,555	0	0	917,327	3,826,526	30,978,805
2030-2034	0	0	6,625,000	1,525,125	7,435,000	818,507	0	0	0	489,568	16,893,200
2034-2038	0	0	3,130,000	130,425	0	0	0	0	0	0	3,260,425
<b>Total</b>	<b>994,175</b>	<b>103,855</b>	<b>44,890,825</b>	<b>12,312,157</b>	<b>24,856,000</b>	<b>7,630,872</b>	<b>2,184,000</b>	<b>94,201</b>	<b>2,482,684</b>	<b>10,246,414</b>	<b>105,795,183</b>

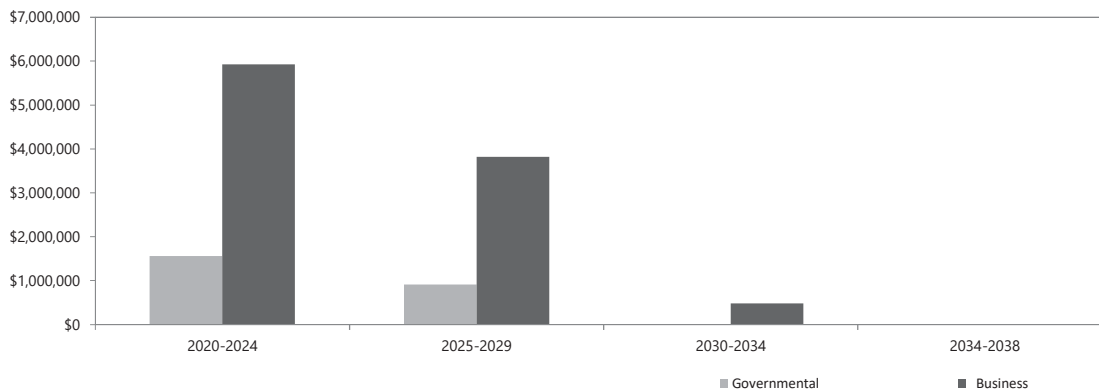
**Revenue Bond Debt Principal**



**Limited Obligation Bonds & Certificates of Participation**



**Other Lease Purchase & Installment Contracts**



# **FY 2020-24 Capital Improvement Plan (CIP) Guide**

## **Purpose and Definitions**

The purpose of the capital improvement plan (CIP) is to forecast and match major capital needs with projected revenues over a five (5)-year period. Capital planning is an important management tool that strengthens the linkages between community infrastructure needs and the financial capacity of the City.

The City defines a CIP as any expenditure of major value that recurs irregularly, results in the acquisition of a fixed asset, and has a useful life greater than one (1) year. Items included in the CIP include those which involve (1) acquisition, renovation, and/or construction of a single fixed asset greater than \$100,000; excluding vehicles/equipment, (2) any land purchases not associated with or included in another CIP project, and (3) capital road maintenance or construction greater than \$100,000 – excluding recurring or routine maintenance projects.

## **How is the CIP developed?**

The CIP is updated annually as part of the City's budget process. After departments submit their CIP requests to the Budget Office, the City's capital project recommendation committee reviews and evaluates the proposed projects based on Mayor and City Council goals, City infrastructure needs, the financial capacity of the City, and the impacts on the City's operating budget.

Once the projects are evaluated, the committee recommends to the City Manager the selection and timing of capital projects in future fiscal years. First-year projects are incorporated into the City Manager's recommended annual operating budget. Projects for which funding and expenditures cross multiple fiscal years are included in a separate Capital Project ordinance, which is approved by City Council when the budget is adopted in June. The Mayor and City Council are also presented the future, unappropriated, planning years for their consideration, review, and endorsement so that staff can proceed with planning and evaluation of potential capital projects.

## **Capital Improvement Plan**

The capital improvement plan is simply that – a *plan*. As such, projects are subject to change based on new or shifting service needs, special financing opportunities, emergency needs, or other directives established by the Mayor and City Council. City priorities may change; therefore, projects included in outward planning years are not guaranteed for funding.

## **Operating Budget Impacts**

Departmental budgets may be impacted by capital projects once they are completed and require maintenance/upkeep. Examples of these impacts include additional or reduced utilities, fuel costs, or staffing changes, which may not be realized until after projects are completed. When available, the impacts of capital projects on the annual operating budget are estimated and included in Section 4 for each project's CIP. For many projects, the operating costs are captured in the department's annual operating budget and no additional operating costs are listed. Most projects will not have an operating impact in the initial funding year, since this is typically the construction/installation phase and operating budgets are not impacted.

## **Contact Information**

For any questions regarding this document, please contact the Budget Department at (704) 920-5261 (704) 920-5263, or (704) 920-6263 or visit the City's website:

[www.concordnc.gov/Departments/Finance/Budget/Capital-Improvement-Plan](http://www.concordnc.gov/Departments/Finance/Budget/Capital-Improvement-Plan)

# Operating Impacts Related to First-Year Projects

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All expenses for capital improvement projects are budgeted in capital project budget units and all revenues for capital improvement projects are budgeted in capital project funds. Though the direct expenses related to the project are budgeted in these capital project funds, the projects can have indirect impacts on the operating budgets. Not all projects have operating budget impacts; however, many can result in impacts on revenues and expenses for years to come.

Below are highlights of these impacts; however, not all projects with operating impacts have been listed. Capital equipment and vehicle purchases are directly budgeted in individual operating budgets and are no longer included in the CIP.

## Transfers from Operating Budgets

The majority of the funding for FY 19-20 capital improvement projects comes from transfers from operating budgets. Revenues are generated through sources such as sales & property tax collections, user fees, and/or utility rates. The following amounts will be transferred from Operating funds to Capital Project funds:

General Fund:	\$ 650,300
Stormwater Fund:	\$ 941,200
Electric Fund:	\$ 9,515,267
Water Fund:	\$ 1,246,882
Wastewater Fund:	\$ 13,077
Aviation Fund:	\$ 14,472
Transit Fund:	\$ 2,548

## Additional Operating Impacts for First Year CIPs

### Fire:

**Fire Stations #13:** Design work will begin for station #13. Upon completion of construction in 2024, the City is anticipating the addition of personnel costs to staff the station, as well as utility and maintenance costs, to be determined after designs are completed. Full-time fire fighters are estimated to cost \$51,000 with cost increasing as employee rank increases. Staffing one fire engine requires a minimum of 1 Officer/acting officer, 1 driver/operator, and 1 firefighter.

### Parks & Recreation:

**HVAC in Gymnasiums:** Once installed, the HVAC units are expected to increase utility and maintenance costs of the department. Utility costs for the first year of using the new HVAC units are estimated at \$14,500.

### Building & Grounds:

**Develop Coddle Creek Greenway – Phase 1 & 2:** In the first year of this project, \$40,000 was allocated for a maintenance truck and equipment for the greenway. By FY 21, construction of over 2 miles of greenways for phase 1 will be complete followed by another 3 miles in phase 2 by FY 23. The City anticipates these expansions will carry with them increased personnel, maintenance, and utility costs. Currently, adding one additional staff person is estimated to cost \$47,000 the first year.

**Develop McEachern Greenway, including Hospital Phase and Parking Lot:** Greenway construction is not expected to be complete until FY 24. However, parking lots, restroom facilities, and some of the greenway will be completed in FY 21. This is expected to carry along the need for additional Buildings and Grounds Staff and associated vehicles/equipment that will maintain these facilities, which are estimated at \$155,320. Not included in this figure are utility costs that will be associated with maintaining public restroom facilities.

Water:

**US Highway 29 Water Tank:** Incorporating a new water tank into the City's water infrastructure is expected to increase departmental maintenance costs in the future. Those costs will be determined after construction is complete. The higher pressure coming from the tank and the extra water storage afforded by the new tank are also anticipated to reduce revenue loss during peak hours of service.

**Hillgrove WTP Bulk Storage Tank:** An increase in the Water Department's ability to purchase and store larger quantities of fluoride safely may reduce the overall cost of fluoride purchased by the City. However, new infrastructure may have an effect on maintenance costs.

Economic Development:

**Union Street Streetscape:** Before construction can begin, planning and design for the updates to the streetscape must be finished. This portion of the project is estimated to cost \$200,000 and will be done by the City's Planning & Economic Development staff.

Electric:

**Various projects:** The Electric Department has multiple capital projects that will increase their infrastructure. These infrastructure improvements, such as a new 44kV delivery or a new electric substation, may increase maintenance costs for the department. These improvements will also increase efficiency in service provision, which can result an increase in revenues.

**Capital Improvement Plan Listing (CIP)  
for FY 2020-2024**

Fund/ Budget Unit	CIP Title	Funding Source(s)	Total Appropriations to Date	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	FY 2022 Budget	Impact on FY 2022 Operating Budget	FY 2023 Budget	Impact on FY 2023 Operating Budget	FY 2024 Budget	Impact on FY 2024 Operating Budget	Future (remainder of project)	Total Budget Impact
<b>Parks &amp; Recreation Capital Projects Fund - 420</b>															
P&R - Capital Projects 8300	HVAC in Gymnasiums	Capital Reserve		528,000	14,500										542,500
	Northwest/West Park & Recreation Center Development	Capital Reserve	1,705,031			3,950,000		1,095,000		3,625,000			251,000	9,779,308	18,700,308
	Connectivity Plan	Capital Reserve		350,000		500,000		500,000		500,000		500,000			2,350,000
	Dorton Park Improvements	Capital Reserve				400,000		4,000,000							4,400,000
	Development of McEachern Greenway, including Hospital Phase and Parking Lot	Capital Reserve	110,000	303,200		1,088,200	155,320	60,000		2,800,000		500,000			4,906,720
	Develop Coddle Creek Greenway-Phase 1 & Phase 2	Capital Reserve	113,000	566,800	40,000	2,598,000		171,600				1,716,000			5,092,400
	Develop Hector Henry Greenway-Cannon Crossing Phase	Transfer from General Fund	60,000			518,000		3,150,000							3,668,000
	Develop property at David Phillips Activity Center	Transfer from General Fund	778,310			360,000		300,000							660,000
	Parking Improvements at Logan Multi-Purpose Center	Capital Reserve		47,000		220,000									267,000
	Cox Mill Greenway Loop	Capital Reserve						210,000		945,000				6,300,000	7,455,000
	Hector Henry Greenway- Mills at Rocky River	Capital Reserve	256,625			55,700						189,000		1,260,000	1,504,700
	Irish Buffalo Creek Greenway	Capital Reserve				229,200		835,200		2,800,000				2,768,000	6,632,400
	Develop Riverwalk Park & Nature Preserve / Center	Capital Reserve				330,000						2,750,000		154,266	3,234,266
	Caldwell Park Improvements	Transfer from General Fund				650,075				540,000		1,200,000		1,500,000	3,890,075
	WW Flowe Park Phase One Improvements & Phase Two Expansion	Transfer from General Fund						750,000				1,500,000		6,000,000	8,250,000
Gibson Mill Loop Trail	Capital Reserve, Grant						1,744,000		450,000		490,000			2,684,000	
Park Lighting Project	Transfer from General Fund	425,500					250,000		250,000					500,000	
Hector H. Henry II Greenway 8311	Develop Hector Henry Greenway-Airport Phase	Capital Reserve	80,500							225,000				4,220,000	4,445,000
P&R - Capital Projects 8300	Development of Gibson Village Park	Capital Reserve				277,200		1,000,000		400,000		900,000		8,500,000	11,077,200
	Development of a North/Central Neighborhood Park	Capital Reserve				1,320,000								1,870,000	3,190,000
	Development of Recreation and Aquatic Center, Central Area	Capital Reserve				660,000					2,160,000			18,450,600	21,270,600
	Frank Liske Park Development	Capital Reserve						173,500				600,000		6,000,000	6,773,500
	Development of a Recreation Center Southeast/South	Capital Reserve						330,000				720,000		6,154,266	7,204,266
	Develop Hector Henry Greenway-Golf Course/Speedway Phase Development	Transfer from General Fund						60,000		540,000				3,600,000	4,200,000
	Les Myers Park Improvements	Capital Reserve						250,000						2,000,000	2,250,000
	Hartsell Park Improvements	Capital Reserve										389,400		1,000,000	1,389,400
	Develop Lake Fisher	Capital Reserve										220,000		175,000	395,000
Beverly Hills Park Improvements	Capital Reserve										20,000		200,000	220,000	
<b>Parks &amp; Recreation CIP Total - Expense</b>			<b>3,528,966</b>	<b>1,795,000</b>	<b>54,500</b>	<b>13,156,375</b>	<b>112,500</b>	<b>14,879,300</b>		<b>13,075,000</b>		<b>13,854,400</b>	<b>191,672</b>	<b>80,033,588</b>	<b>137,152,335</b>
<b>Parks &amp; Recreation Capital Projects Fund - Revenue Sources &amp; Totals</b>															
<b>Operating Revenue</b>					54,500		112,500						191,672	1,015,588	1,476,408
<b>Transfer From General Fund</b>						1,528,075		4,510,000	1,330,000		2,700,000			11,100,000	21,168,075
<b>Grant Proceeds</b>								350,000							350,000
<b>Transfer From General Capital Reserves</b>				1,795,000		11,628,300		10,019,300		11,745,000		11,154,400		67,918,000	114,260,000
<b>Parks &amp; Recreation CIP Total - Revenue</b>				<b>1,795,000</b>	<b>54,500</b>	<b>13,156,375</b>	<b>112,500</b>	<b>14,879,300</b>		<b>13,075,000</b>		<b>13,854,400</b>	<b>191,672</b>	<b>80,033,588</b>	<b>137,152,335</b>
<b>Wastewater Capital Projects Fund - 421</b>															
Wastewater Projects 8402	Lincoln Street Sewer Outfall Replacement To Broad Drive	Capacity Fees	365,000	1,348,000											1,348,000
	Irish Buffalo Creek Sewer Outfall Replacement To Central Drive	Capacity Fees		100,000		340,000									440,000
	Irish Buffalo Creek Sewer Outfall Replacement To Aaron Place	Capacity Fees		155,000		654,000									809,000
	Irish Buffalo Creek Sewer Outfall Replacement To Bost Avenue	Transfer From Sewer				205,000		753,000							958,000
	Three Mile Branch Sewer Outfall Replacement To Shamrock Street	Transfer From Sewer				225,000		923,000							1,148,000
	Cold Water Creek Tributary Outfall To NC Highway 49	Transfer From Sewer						1,535,000		6,930,000					8,465,000
	Coddle Creek Tributary Outfall To Sunberry Lane	Transfer From Sewer						675,000		2,860,000					3,535,000

**Capital Improvement Plan Listing (CIP)  
for FY 2020-2024**

Fund/ Budget Unit	CIP Title	Funding Source(s)	Total Appropriations to Date	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	FY 2022 Budget	Impact on FY 2022 Operating Budget	FY 2023 Budget	Impact on FY 2023 Operating Budget	FY 2024 Budget	Impact on FY 2024 Operating Budget	Future (remainder of project)	Total Budget Impact
	Coddle Creek Tributary Outfall Extension From US Highway 29 To Rock Hill Church Road	Transfer From Sewer										1,667,000			1,667,000
	Coddle Creek Tributary Outfall Extension To Westridge Lane	Transfer From Sewer										3,675,000			3,675,000
<b>Wastewater CIP Total - Expense</b>			<b>365,000</b>	<b>1,603,000</b>		<b>1,424,000</b>		<b>3,886,000</b>		<b>9,790,000</b>		<b>5,342,000</b>			<b>22,045,000</b>
<b>Wastewater Capital Projects Fund - Revenue Sources &amp; Totals</b>															
	<b>Capacity Fees</b>			1,603,000		994,000									2,597,000
	<b>Transfer From Sewer</b>					430,000		3,886,000		9,790,000		5,342,000			19,448,000
<b>Wastewater CIP Total - Revenue</b>				<b>1,603,000</b>		<b>1,424,000</b>		<b>3,886,000</b>		<b>9,790,000</b>		<b>5,342,000</b>			<b>22,045,000</b>
<b>Transportation Capital Projects Fund - 423</b>															
	Transportation Services Building	Transfer from General Fund						950,000		1,507,000					2,457,000
	Virginia St.	2¢ Allocation from General Fund	1,050,000	450,000											450,000
	Infrastructure Projects - Pedestrian Improvement Sidewalks	\$5 Vehicle Fees, 2¢ Allocation from General Fund		500,000		500,000		500,000		500,000		500,000			2,500,000
	Spring, Chestnut, Broad Intersection Improvements	2¢ Allocation from General Fund	5,000	695,000											695,000
	US 601 at Flowes Store Rd Improvements	2¢ Allocation from General Fund, CMAQ	410,000	1,951,469		1,708,404									3,659,872
	I-85 Branding Project	Transfer from General Fund	250,000			200,000									200,000
	Concord Farms Realignment	Golden Leaf Grant, Transfer from General Fund								3,600,000					3,600,000
	Dorland Ave Realignment Phase II	Transfer from General Fund	200,000							775,000					775,000
<b>Transportation CIP Total - Expense</b>			<b>1,915,000</b>	<b>3,596,469</b>		<b>2,408,404</b>		<b>1,450,000</b>		<b>6,382,000</b>		<b>500,000</b>			<b>14,336,873</b>
<b>Transportation Capital Projects Fund - Revenue Sources &amp; Totals</b>															
	<b>Transfer From Gen Fund</b>			1,645,293		651,682		1,060,000		4,992,000		110,000			8,458,975
	<b>Vehicle License-Addl \$5</b>			390,000		390,000		390,000		390,000		390,000			1,950,000
	<b>CMAQ Grant</b>			1,561,176		1,366,722									2,927,898
	<b>Grant Proceeds</b>									1,000,000					1,000,000
<b>Transportation CIP Total - Revenue</b>				<b>3,596,469</b>		<b>2,408,404</b>		<b>1,450,000</b>		<b>6,382,000</b>		<b>500,000</b>			<b>14,336,873</b>
<b>Fire &amp; Life Safety Projects Fund - 426</b>															
	Training Facility	Capital Reserve		1,050,000		500,000		12,148,400							13,698,400
	Fire Station 12	Capital Reserves	590,000			5,950,000									5,950,000
	Fire Station 13	Capital Reserve		300,000						400,000		5,710,000			6,410,000
<b>Fire &amp; Life Safety Projects Fund CIP Total - Expense</b>			<b>590,000</b>	<b>1,350,000</b>		<b>6,450,000</b>		<b>12,148,400</b>		<b>400,000</b>		<b>5,710,000</b>			<b>26,058,400</b>
<b>Fire &amp; Life Safety Projects Fund - Revenue Sources &amp; Totals</b>															
	<b>Transfer From General Capital Reserves</b>			1,350,000		6,450,000		12,148,400		400,000		5,710,000			26,058,400
<b>Fire &amp; Life Safety Projects Fund CIP Total - Revenue</b>				<b>1,350,000</b>		<b>6,450,000</b>		<b>12,148,400</b>		<b>400,000</b>		<b>5,710,000</b>			<b>26,058,400</b>
<b>Water Capital Projects Fund - 429</b>															
	Coddle Creek WTP Settling Basin Upgrades	Capacity Fees	1,725,000	500,000											500,000
	US Highway 29 Water Tank	Capacity Fees	5,550,000	300,000											300,000
	Poplar Tent Road 24" Water Line Extension	Capacity Fees	3,475,000	413,000											413,000
	Roberta Road 8" Water Line Replacement	Transfer From Water	35,000			788,000									788,000
	TRS for Midland Tank and Mt. Pleasant Tank	Transfer From Water	100,000	100,000											100,000
	Coddle Creek WTP Switchgear Replacement	Capacity Fees		1,485,000											1,485,000
	Raw Waterline at Coddle Creek	Transfer from Water	1,190,000			3,300,000									3,300,000
	GAC Contactors at Hillgrove WTP	Capacity Fees		775,000		5,000,000									5,775,000
	Hillgrove WTP Settling Basin Improvements	Future Project Reserve, Transfer from Water		300,000		2,300,000									2,600,000
	Resurface Clearwell #2 at Hillgrove WTP	Transfer From Water		130,000											130,000
	Virginia Street 6" Water Line Replacement	Capacity Fee, Transfer From Water		537,000											537,000
	Hillgrove WTP Bulk Storage Fluoride Tank	Transfer From Water		300,000											300,000
	Hillgrove WTP Filter to Waste Valve Rehab/Replacement	Transfer From Water		250,000											250,000
	Spring Street/Chesnut Drive/Broad Drive Intersection Improvement Water Line Replacement	Transfer From Water		280,000											280,000
	NC Highway 49 24" Water Line Extension	Future Project Reserves		900,000		6,288,000									7,188,000
	Union Cemetery Road Realignment	Transfer From Water		30,000		300,000									330,000
	US Highway 29/601 Bridge Over Irish Buffalo Creek	Transfer From Water		20,000		200,000									220,000



**Capital Improvement Plan Listing (CIP)  
for FY 2020-2024**

<b>Fund/ Budget Unit</b>	<b>CIP Title</b>	<b>Funding Source(s)</b>	<b>Total Appropriations to Date</b>	<b>FY 2020 Budget</b>	<b>Impact on FY 2020 Operating Budget</b>	<b>FY 2021 Budget</b>	<b>Impact on FY 2021 Operating Budget</b>	<b>FY 2022 Budget</b>	<b>Impact on FY 2022 Operating Budget</b>	<b>FY 2023 Budget</b>	<b>Impact on FY 2023 Operating Budget</b>	<b>FY 2024 Budget</b>	<b>Impact on FY 2024 Operating Budget</b>	<b>Future (remainder of project)</b>	<b>Total Budget Impact</b>
Water Projects 8700	General Services Drive 12" Parallel Water Line	Transfer From Water				64,000		436,000							500,000
	Zion Church Road 12" Parallel Water Line	Transfer From Water				100,000		518,000							618,000
	NC Highway 73 Widening - Poplar Tent Road to US Highway 29	Transfer from Water				400,000		1,000,000		1,000,000		1,000,000		1,000,000	4,400,000
	Coddle Creek WTP Dewatering Process Improvements	Transfer From Water						4,800,000							4,800,000
	NC Highway 73 Water Main Connection to Charlotte Water	Transfer from Water						160,000		980,000				544,000	1,684,000
	Poplar Tent Road Widening - East of I-85 to George Liles Boulevard	Transfer From Water						200,000		1,000,000		1,000,000			2,200,000
	George Liles Boulevard 24" Water Line Phase 4 - Roberta Road to NC Highway 49	Transfer From Water								2,875,000					2,875,000
	4 MGD Water Booster Pump Station	Transfer From Water								1,150,000					1,150,000
	US Highway 601 24" Water Line Extension - Zion Church Road to Miami Church Road	Transfer From Water								1,402,000					1,402,000
	US Highway 601 Control Vault	Transfer From Water								156,000					156,000
	US Highway 601 16" Water Line Extension - Flows Store Road to Parks Lafferty Road	Transfer From Water								4,414,000					4,414,000
	Cross Country 16" Water Line Extension - NC Highway 49 to Rocky River Road	Transfer From Water								1,146,000					1,146,000
	Miami Church Road 12"/24" Parallel Water Line Extension - US Highway 601 to Cold Springs Road	Transfer From Water										1,731,000			1,731,000
	Cold Springs Road 12" Water Line Extension - Miami Church Road to NC Highway 49	Transfer From Water										2,759,000			2,759,000
	Parks Lafferty Road/Flows Store Road 12" Water Line Extension - US Highway 601 to NC Highway 24/27	Transfer From Water										6,777,000			6,777,000
	Poplar Tent Road Widening - Derita Road to NC Highway 73	Transfer From Water										300,000		3,000,000	3,300,000
NC Highway 3 Widening - Dale Earnhardt Boulevard to US Highway 601	Transfer From Water										100,000		1,000,000	1,100,000	
<b>Water CIP Total - Expense</b>			<b>12,075,000</b>	<b>6,320,000</b>		<b>18,740,000</b>		<b>7,114,000</b>		<b>14,123,000</b>		<b>13,667,000</b>		<b>5,544,000</b>	<b>65,508,000</b>
<b>Water Capital Projects Fund - Revenue Sources &amp; Totals</b>															
						<b>Capacity Fees</b>									<b>9,000,000</b>
						<b>Transfer From Water</b>		<b>1,215,949</b>		<b>7,452,000</b>		<b>7,114,000</b>		<b>14,123,000</b>	<b>49,115,949</b>
						<b>Future Project Reserves</b>		<b>1,104,051</b>		<b>6,288,000</b>					<b>7,392,051</b>
<b>Water CIP Total - Revenue</b>						<b>6,320,000</b>		<b>18,740,000</b>		<b>7,114,000</b>		<b>14,123,000</b>		<b>5,544,000</b>	<b>65,508,000</b>
<b>General Capital Projects Fund - 430</b>															
General Projects 8804	Rutherford & West Concord Cemetery Expansions	Transfer from General Fund	401,351			500,000									500,000
	Union Street Streetscape	Transfer from Capital Reserve	2,000,000		200,000	2,000,000									2,200,000
	Fiber Network Extension	Transfer from Aviation, Transfer from Electric, Transfer from Gen Fund, Transfer from Stormwater, Transfer from Wastewater, Transfer from Water	632,015	250,000		250,000		250,000		250,000		250,000			1,250,000
BOC Admin Projects 8800	Grounds Shed Expansion	Capital Reserve, Transfer from Aviation, Transfer from Electric, Transfer from Sewer, Transfer from Transit, Transfer from Water		545,000											545,000
	Operations Center Improvements - Parking & Access Road	Transfer from General Fund	42,000	458,000						575,000					1,033,000
	Operations Center Improvements - New Equipment Shelter	Transfer from General Fund				1,665,000									1,665,000
	Fleet Services Facility	Debt Financing										780,000		11,920,000	12,700,000
<b>General CIP Total - Expense</b>			<b>3,075,366</b>	<b>1,253,000</b>	<b>200,000</b>	<b>4,415,000</b>		<b>250,000</b>		<b>825,000</b>		<b>1,030,000</b>		<b>11,920,000</b>	<b>19,893,000</b>

**Capital Improvement Plan Listing (CIP)  
for FY2020-2024**

Fund/ Budget Unit	CIP Title	Funding Source(s)	Total Appropriations to Date	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	FY 2022 Budget	Impact on FY 2022 Operating Budget	FY 2023 Budget	Impact on FY 2023 Operating Budget	FY 2024 Budget	Impact on FY 2024 Operating Budget	Future (remainder of project)	Total Budget Impact
<b>General Capital Projects Fund - Revenue Sources &amp; Totals</b>															
<b>Transfer From General Capital Reserves</b>				509,644		2,000,000									2,509,644
<b>Transfer From Aviation</b>				14,472		10,650		10,650		10,650		10,650			57,072
<b>Transfer From Electric</b>				26,826		19,500		19,500		19,500		19,500			104,826
<b>Transfer From Sewer</b>				13,077		7,025		7,025		7,025		7,025			41,177
<b>Transfer From Transit</b>				2,548											2,548
<b>Transfer From Water</b>				30,933		15,325		15,325		15,325		15,325			92,233
<b>Operating Revenue</b>						200,000									200,000
<b>Transfer From Gen Fund</b>				650,300		2,357,300		192,300		767,300		192,300			4,159,500
<b>Transfer From Stormwater</b>				5,200		5,200		5,200		5,200		5,200			26,000
<b>Financing Proceeds</b>												780,000		11,920,000	12,700,000
<b>General CIP Total - Revenue</b>				<b>1,253,000</b>	<b>200,000</b>	<b>4,415,000</b>		<b>250,000</b>		<b>825,000</b>		<b>1,030,000</b>		<b>11,920,000</b>	<b>19,893,000</b>
<b>Airport Capital Projects Fund - 451</b>															
Airport Projects 6300	SDA Commercial Passenger Terminal Building Phase 2	Federal Grant, State Grant, Transfer from Aviation										7,300,000		8,000,000	15,300,000
	Runway 20 EMAS	Federal Grant, State Grant, Transfer from Aviation						938,676				3,754,700			4,693,376
	South Development Apron Expansion Phase 2	Federal Grant, State Grant, Transfer from Aviation								4,740,589		250,000		5,914,000	10,904,589
	Airport Fire Station and Security Center	Federal Grant, State Grant, Transfer from Aviation						100,000		1,643,000					1,743,000
	Airport Hangar Taxilane Rehabilitation & Taxilane Strengthening	Federal Grant, State Grant, Transfer from Aviation				100,000		5,060,000							5,160,000
	East Side Airport Land Acquisition Area	Federal Grant, State Grant, Transfer from Aviation												5,090,000	5,090,000
	North Apron Expansion Phase 3	Federal Grant, State Grant, Transfer from Aviation				250,000		1,750,000							2,000,000
	New Relocated Airport Control Tower	Federal Grant, State Grant, Transfer from Aviation												3,500,000	3,500,000
	FBO Terminal Building Rehabilitation	Capital Reserve, Public-Private Partnership											580,000	12,800,000	13,380,000
	Corporate Hangar Development	Grant, Grant Match							3,500,000						3,500,000
	Myint Lane Airport Access Road	Transfer from Aviation							700,000						700,000
	Myint Lane Airport Apron Development	Federal Grant, State Grant, Transfer from Aviation				150,000		1,200,000							1,350,000
	Airport Helipads	Federal Grant, State Grant, Transfer from Aviation									410,000				410,000
	North Internal Service Road	Federal Grant, State Grant, Transfer from Aviation									2,149,300				2,149,300
Runway Widening	Federal Grant, Local Grant Match				6,000,000		4,000,000							10,000,000	
<b>Airport CIP Total - Expense</b>						<b>6,500,000</b>		<b>17,248,676</b>		<b>8,942,889</b>		<b>11,884,700</b>		<b>35,304,000</b>	<b>79,880,265</b>
<b>Airport Capital Projects Fund - Revenue Sources &amp; Totals</b>															
<b>Grant Proceeds</b>						483,750		8,598,242		8,363,773		10,745,715		21,305,900	49,497,380
<b>Transfer From Aviation</b>						616,250		1,900,434		579,116		558,985		1,198,100	4,852,885
<b>Other Income</b>														6,400,000	6,400,000
<b>Transfer From Capital Projects</b>												580,000		6,400,000	6,980,000
<b>Federal Aid</b>						5,400,000		6,750,000							12,150,000
<b>Airport CIP Total - Revenue</b>						<b>6,500,000</b>		<b>17,248,676</b>		<b>8,942,889</b>		<b>11,884,700</b>		<b>35,304,000</b>	<b>79,880,265</b>
<b>Electric Capital Projects Fund - 473</b>															
Electric Projects 6949	New 44kV Delivery #6 East of Concord - Sub P	Transfer from Electric		2,090,000											2,090,000
	New Delivery #4 & 100 kV Exits Down Hwy 29 - Interconnect - Phase 1	Bond Proceeds, Transfer from Electric, Transfer from Utility Reserve Fund	1,370,000	5,109,912		5,000,000									10,109,912
	Construction of 100 kV Sub at Delivery #4 - Sub Q - Phase 2	Transfer From Electric	1,000,000	3,195,254											3,195,254
	Construction of New Electric Substation N in Copperfield Blvd Location	Bond Proceeds, Transfer from Electric	350,000	500,000		3,160,000									3,660,000
	100 kV Transformer	Bond Proceeds				850,000									850,000
	100 kV Interconnect Between Del. #4 and Sub E	Bond Proceeds				1,000,000		3,658,000							4,658,000
	100 kV Tie Line-Liles Blvd to Sub O	Bond Proceeds, Transfer From Electric		1,000,000		3,465,000									4,465,000
	Construction of New Electric Substation R on Poplar Tent Rd	Bond Proceeds, Transfer from Electric		500,000		500,000						3,010,000			4,010,000
	Construction of New Electric Substation S on US Hwy 601 S	Bond Proceeds, Transfer From Electric		510,000				3,510,000							4,020,000
	Delivery #1 Replacement	Bond Proceeds, Transfer From Electric	400,000			300,000				2,125,000					2,425,000

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	44 kV Transformer Replacement for Sub F	Transfer from Electric				1,000,000									1,000,000
	Construction of New Electric Substation T near Concord Parkway South of Concord	Bond Proceeds, Transfer from Electric				1,000,000								3,010,000	4,010,000
	New 44kV Transformer Replacement for Sub B	Transfer from Electric						1,000,000							1,000,000
	Replace Existing 750 MCM Along Bruton Smith Blvd. (Between Hwy 29 & I-85)	Bond Proceeds										3,050,000			3,050,000
<b>Electric CIP Total - Expense</b>			<b>3,120,000</b>	<b>12,905,166</b>		<b>16,275,000</b>		<b>8,168,000</b>		<b>2,125,000</b>	<b>6,060,000</b>		<b>3,010,000</b>	<b>48,543,166</b>	
<b>Electric Capital Projects Fund - Revenue Sources &amp; Totals</b>															
Transfer From Electric				9,488,441		2,000,000		1,210,000		2,125,000					14,823,441
Bond Proceeds						14,275,000		6,958,000				6,060,000		3,010,000	30,303,000
Transfer from Utility Capital Reserve				3,416,725											3,416,725
<b>Electric CIP Total - Revenue</b>				<b>12,905,166</b>		<b>16,275,000</b>		<b>8,168,000</b>		<b>2,125,000</b>	<b>6,060,000</b>		<b>3,010,000</b>	<b>48,543,166</b>	
<b>Stormwater Capital Projects Fund - 474</b>															
Stormwater Projects 7103	Glen Eagles Lane Culvert Replacement	Transfer From Stormwater	36,700	936,000											936,000
	Kerr Street Culvert Replacement	Transfer From Stormwater				1,138,000									1,138,000
	Brookwood Avenue Roadway Improvements	Transfer From Stormwater				404,000									404,000
	Dylan Place Culvert Replacement Upper & Lower	Transfer From Stormwater				131,000		1,292,000							1,423,000
	Duval Street Culvert Replacement	Transfer From Stormwater				94,000		925,000							1,019,000
	Farmwood Boulevard Culvert Replacement	Transfer From Stormwater						91,000		896,000					987,000
	Bridlewood Drive Culvert Replacement	Transfer From Stormwater						102,200		1,225,500					1,327,700
	Miramar Culvert Replacements	Transfer From Stormwater								112,400		1,348,000			1,460,400
	Morris Glen Drive Culvert Replacement	Transfer From Stormwater								40,600		487,000			527,600
	Yvonne Drive Culvert Replacements	Transfer From Stormwater										111,200		1,334,000	1,445,200
	Spring Street Culvert Replacement	Transfer From Stormwater										41,100		493,000	534,100
	Glenwood Drive Culvert Replacement	Transfer from Stormwater												862,000	862,000
<b>Stormwater CIP Total - Expense</b>			<b>36,700</b>	<b>936,000</b>		<b>1,767,000</b>		<b>2,410,200</b>		<b>2,274,500</b>	<b>1,987,300</b>		<b>2,689,000</b>	<b>12,064,000</b>	
<b>Stormwater Capital Projects Fund - Revenue Sources &amp; Totals</b>															
Transfer From Stormwater				936,000		1,767,000		2,410,200		2,274,500		1,987,300		2,689,000	12,064,000
<b>Stormwater CIP Total - Revenue</b>				<b>936,000</b>		<b>1,767,000</b>		<b>2,410,200</b>		<b>2,274,500</b>	<b>1,987,300</b>		<b>2,689,000</b>	<b>12,064,000</b>	
<b>Rocky River Golf Course Projects Fund - 475</b>															
Golf Projects 7550	Fairway Bunker Restoration	Capital Reserve	305,185	129,800											129,800
	Restroom Facility Construction	Capital Reserve				155,000									155,000
	Range Netting	Capital Reserve						100,000							100,000
<b>Rocky River Golf Course CIP Total - Expense</b>			<b>305,185</b>	<b>129,800</b>		<b>155,000</b>		<b>100,000</b>						<b>384,800</b>	
<b>Rocky River Golf Course Projects Fund - Revenue Sources &amp; Totals</b>															
Transfer From General Capital Reserves				129,800		155,000		100,000							384,800
<b>Rocky River Golf Course CIP Total - Revenue</b>				<b>129,800</b>		<b>155,000</b>		<b>100,000</b>						<b>384,800</b>	
<b>CITY OF CONCORD CIP PROJECT TOTAL</b>			<b>61,436,040</b>	<b>29,888,435</b>	<b>254,500</b>	<b>71,290,778</b>	<b>112,500</b>	<b>67,654,576</b>		<b>57,937,389</b>	<b>60,035,400</b>	<b>191,672</b>	<b>137,485,000</b>	<b>425,763,690</b>	

## First Year CIP Project Detail

The boxes below provide summary detail for CIP projects scheduled for funding in year 1, or FY 2020, of the CIP. For additional description and cost information, please see each project's individual page in the City's FY 2020-2024 Capital Improvement Plan.

How To Read Example:

<b>Department:</b>							
<b>Project Title:</b>	<b>FY20 Cost</b>						
Project Description	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">Total Cost of Capital Project</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">Total Impact on Operating Budget</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Project's Funding Source</td> </tr> </table>	<i>Total Capital Cost:</i>	Total Cost of Capital Project	<i>Total Operating Cost:</i>	Total Impact on Operating Budget	<i>Funding Source(s):</i>	Project's Funding Source
<i>Total Capital Cost:</i>	Total Cost of Capital Project						
<i>Total Operating Cost:</i>	Total Impact on Operating Budget						
<i>Funding Source(s):</i>	Project's Funding Source						

### Parks & Recreation Capital Projects:

<b>HVAC in Gymnasiums:</b>	<b>\$ 542,500</b>						
Installation of HVAC in Gymnasiums at Academy Recreation Center, Logan Multi-purpose Center, and Hartsell Recreation Center.	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$542,500</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$14,500</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capital Reserve</td> </tr> </table>	<i>Total Capital Cost:</i>	\$542,500	<i>Total Operating Cost:</i>	\$14,500	<i>Funding Source(s):</i>	Capital Reserve
<i>Total Capital Cost:</i>	\$542,500						
<i>Total Operating Cost:</i>	\$14,500						
<i>Funding Source(s):</i>	Capital Reserve						
<b>Connectivity Plan:</b>	<b>\$ 350,000</b>						
This project consists of a plan to accelerate connectivity city wide using recommendations of the Open Space Connectivity Analysis. The OSCA (Open Space Connectivity Analysis) has identified 5 target areas. Within each target area we will be looking at connectivity using bike lanes, multi-use paths, sidewalks and new or improved crosswalks.	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$2,350,000</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capital Reserve</td> </tr> </table>	<i>Total Capital Cost:</i>	\$2,350,000	<i>Total Operating Cost:</i>	\$0	<i>Funding Source(s):</i>	Capital Reserve
<i>Total Capital Cost:</i>	\$2,350,000						
<i>Total Operating Cost:</i>	\$0						
<i>Funding Source(s):</i>	Capital Reserve						
<b>Development of McEachern Greenway, including Hospital Phase and Parking Lot:</b>	<b>\$ 303,200</b>						
This project includes land acquisition, design and construction of McEachern Greenway. This project, pursued in several phases, completes the McEachern Greenway.	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$4,973,900</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capital Reserve</td> </tr> </table>	<i>Total Capital Cost:</i>	\$4,973,900	<i>Total Operating Cost:</i>	\$0	<i>Funding Source(s):</i>	Capital Reserve
<i>Total Capital Cost:</i>	\$4,973,900						
<i>Total Operating Cost:</i>	\$0						
<i>Funding Source(s):</i>	Capital Reserve						
<b>Develop Coddle Creek Greenway - Phase 1 &amp; 2:</b>	<b>\$ 566,800</b>						
<p>The development of Coddle Creek Greenway will be completed in two phases.</p> <p style="text-align: center;">Phase One</p> <p>This phase includes a paved greenway along Coddle Creek and Afton Run Branch within Dorton Park (0.38 miles), thereby provides connectivity to Afton Village, the YMCA and Kannapolis. It also includes a paved greenway downstream under Poplar Tent Road (1.52 miles), a connection is made with Poplar Crossing (0.28 miles). This phase includes design and construction.</p> <p style="text-align: center;">Phase Two</p> <p>This phase would extend the trail to Weddington Road and provide multi-use paths along Weddington Road to George Liles Pkwy (1.5 miles) and sidewalks along George Liles Pkwy North (0.36 miles). This phase includes acquisition, design and construction.</p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$5,205,400</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$40,000</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capital Reserve</td> </tr> </table>	<i>Total Capital Cost:</i>	\$5,205,400	<i>Total Operating Cost:</i>	\$40,000	<i>Funding Source(s):</i>	Capital Reserve
<i>Total Capital Cost:</i>	\$5,205,400						
<i>Total Operating Cost:</i>	\$40,000						
<i>Funding Source(s):</i>	Capital Reserve						
<b>Parking Improvements at Logan Multi-Purpose Center:</b>	<b>\$ 47,000</b>						
This project is to develop parking at the City-owned lot across Booker Street, and acquire/develop vacant Lincoln Street property adjacent to existing lot.	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$267,000</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capital Reserve</td> </tr> </table>	<i>Total Capital Cost:</i>	\$267,000	<i>Total Operating Cost:</i>	\$0	<i>Funding Source(s):</i>	Capital Reserve
<i>Total Capital Cost:</i>	\$267,000						
<i>Total Operating Cost:</i>	\$0						
<i>Funding Source(s):</i>	Capital Reserve						

### Wastewater Capital Projects:

<b>Lincoln Street Sewer Outfall Replacement to Broad Drive:</b>	<b>\$ 1,348,000</b>						
This project will include the replacement of approximately 3,170' of existing 8" and 10" diameter gravity sewer line along Lincoln Street with a 15" diameter gravity sewer line.	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$1,713,000</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capacity Fees</td> </tr> </table>	<i>Total Capital Cost:</i>	\$1,713,000	<i>Total Operating Cost:</i>	\$0	<i>Funding Source(s):</i>	Capacity Fees
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<i>Total Operating Cost:</i>	\$0						
<i>Funding Source(s):</i>	Capacity Fees						
<b>Irish Buffalo Creek Sewer Outfall Replacement to Central Drive:</b>	<b>\$ 100,000</b>						
This project will include the replacement of approximately 870' of existing 8" diameter gravity sewer line that is tributary to Irish Buffalo Creek with a 12" diameter gravity sewer line to Central Drive.	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$440,000</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capacity Fees</td> </tr> </table>	<i>Total Capital Cost:</i>	\$440,000	<i>Total Operating Cost:</i>	\$0	<i>Funding Source(s):</i>	Capacity Fees
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<i>Total Operating Cost:</i>	\$0						
<i>Funding Source(s):</i>	Capacity Fees						
<b>Irish Buffalo Creek Sewer Outfall Replacement to Aaron Place:</b>	<b>\$ 155,000</b>						
This project will include the replacement of approximately 1,090' of existing 15" diameter gravity sewer line that is tributary to Irish Buffalo Creek with a 18" diameter gravity sewer line to Aaron Place.	<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><i>Total Capital Cost:</i></td> <td style="text-align: right;">\$809,000</td> </tr> <tr> <td><i>Total Operating Cost:</i></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><i>Funding Source(s):</i></td> <td style="text-align: right;">Capacity Fees</td> </tr> </table>	<i>Total Capital Cost:</i>	\$809,000	<i>Total Operating Cost:</i>	\$0	<i>Funding Source(s):</i>	Capacity Fees
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<i>Funding Source(s):</i>	Capacity Fees						

<b>Transportation Capital Projects:</b>		
<b>Virginia St.:</b>		<b>\$ 450,000</b>
The Virginia St. Rehabilitation will remove and replace aging concrete pavement with new asphalt as well as continue sidewalk along the portion that currently does not have any in place. This project was previously approved by City Council in 2014 and funded at \$1,050,000 based on an estimate prepared in 2014. A considerable rise in construction costs in recent years prompted the estimate to be revised, yielding a new estimate of \$1,500,000. This CIP is to request the increase in funding of \$450,000 in order to fund the difference in the the 2014 estimate and today's current revised estimate.	Total Capital Cost:	\$1,500,000
	Total Operating Cost:	\$0
	Funding Source(s):	2¢ Allocation from General Fund
<b>Infrastructure Projects - Pedestrian Improvement Sidewalks:</b>		<b>\$ 500,000</b>
This project consists of constructing new City sidewalks and associated infrastructure to expand the existing pedestrian system. The priority of projects is determined annually in October and presented to City Council for approval in accordance with the Pedestrian Improvement Policy.	Total Capital Cost:	\$2,500,000
	Total Operating Cost:	\$0
	Funding Source(s):	\$5 Vehicle Fees, 2¢ Allocation from General Fund
<b>Spring, Chestnut, Broad Intersection Improvements:</b>		<b>\$ 695,000</b>
This project consists of constructing a single-lane mini-roundabout at the intersection of Spring St., SW and Chestnut Dr., SW as well as realigning Broad Dr., SW.	Total Capital Cost:	\$700,000
	Total Operating Cost:	\$0
	Funding Source(s):	2¢ Allocation from General Fund
<b>US 601 at Flowes Store Rd Improvements:</b>		<b>\$ 1,951,469</b>
This project consists of constructing an additional lane and sidewalk along US 601, traveling from the intersection at Flowes Store Rd/Miami Church Rd to east of the intersection at Zion church Rd., E/NC 49 Interchange.	Total Capital Cost:	\$4,069,872
	Total Operating Cost:	\$0
	Funding Source(s):	2¢ Allocation from General Fund, CMAQ
<b>Fire &amp; Life Safety Capital Projects:</b>		
<b>Training Facility:</b>		<b>\$ 1,050,000</b>
This project involves the construction of a Training facility that would be a joint project between the police and fire departments.	Total Capital Cost:	\$13,698,400
	Total Operating Cost:	\$0
	Funding Source(s):	Capital Reserve
<b>Fire Station 13:</b>		<b>\$ 300,000</b>
The preliminary design, engineering and architecture in FY 24-25 will be the first step in the construction process for Fire Station 13. This project will serve the Cox Mill Road/ Christenbury Parkway area.	Total Capital Cost:	\$6,410,000
	Total Operating Cost:	\$0
	Funding Source(s):	Capital Reserve
<b>Water Capital Projects:</b>		
<b>Coddle Creek WTP Settling Basin Upgrades:</b>		<b>\$ 500,000</b>
This project is to design and construct settling basin upgrades at the Coddle Creek Water Treatment Plan and includes a pilot study.	Total Capital Cost:	\$2,225,000
	Total Operating Cost:	\$0
	Funding Source(s):	Capacity Fees
<b>US Highway 29 Water Tank:</b>		<b>\$ 300,000</b>
This project is to design and construct a new elevated water storage tank along US Highway 29 near the intersection with Cabarrus Avenue.	Total Capital Cost:	\$5,850,000
	Total Operating Cost:	\$0
	Funding Source(s):	Capacity Fees
<b>Poplar Tent Road 24" Water Line Extension:</b>		<b>\$ 413,000</b>
This project will provide a new 24" water line along Poplar Tent Road from International Drive to Eva Drive as part of a water system improvement.	Total Capital Cost:	\$3,888,000
	Total Operating Cost:	\$0
	Funding Source(s):	Capacity Fees
<b>TRS for Midland Tank and Mt. Pleasant tank:</b>		<b>\$ 100,000</b>
This project includes a Trihalomethane (THM) Reduction System (TRS) which is a spray system designed to reduce the amount of THMs in the finished water.	Total Capital Cost:	\$200,000
	Total Operating Cost:	\$0
	Funding Source(s):	Transfer From Water
<b>Coddle Creek WTP Switchgear Replacement:</b>		<b>\$ 1,485,000</b>
This project is to replace the current switchgear at Coddle Creek WTP with reliable current technology.	Total Capital Cost:	\$1,485,000
	Total Operating Cost:	\$0
	Funding Source(s):	Capacity Fees
<b>GAC Contractors at Hillgrove WTP:</b>		<b>\$ 775,000</b>
This project consists of designing and constructing Granular Activated Carbon (GAC) contactors at the Hillgrove WTP.	Total Capital Cost:	\$5,775,000
	Total Operating Cost:	\$0
	Funding Source(s):	Capacity Fees

<b>Water Capital Projects (Cont.):</b>			
<b>Hillgrove WTP Settling Basin Improvements:</b>			<b>\$ 300,000</b>
This project is to replace failing tube settlers at Hillgrove WTP.	Total Capital Cost:		\$2,600,000
	Total Operating Cost:		\$0
	Funding Source(s):	Future Project Reserve, Transfer from Water	
<b>Resurface Clearwell #2 at Hillgrove WTP:</b>			<b>\$ 130,000</b>
This project is for the resurfacing of the north clearwell at Hillgrove WTP.	Total Capital Cost:		\$130,000
	Total Operating Cost:		\$0
	Funding Source(s):	Transfer From Water	
<b>Virginia Street 6" Water Line Replacement:</b>			<b>\$ 537,000</b>
This project includes the replacement of approximately 2,200 linear feet of the existing 6" water line along Virginia Street from Corban Avenue to Hillcrest Avenue.	Total Capital Cost:		\$537,000
	Total Operating Cost:		\$0
	Funding Source(s):	Capacity Fee, Transfer From Water	
<b>Hillgrove WTP Bulk Storage Fluoride Tank:</b>			<b>\$ 300,000</b>
This project will put a large tank suitable for holding additional fluoride more safely than the current situation and will allow the purchase of fluoride in bulk at a lower price.	Total Capital Cost:		\$300,000
	Total Operating Cost:		\$0
	Funding Source(s):	Transfer From Water	
<b>Hillgrove WTP Filter to Waste Valve Rehab/Replacement:</b>			<b>\$ 250,000</b>
This project will replace or rehabilitate the valves that lead from the filters to the waste system to be discarded.	Total Capital Cost:		\$250,000
	Total Operating Cost:		\$0
	Funding Source(s):	Transfer From Water	
<b>Spring Street/Chestnut Drive/Broad Drive Intersection Improvement Water Line Replacement:</b>			<b>\$ 280,000</b>
This project is for providing water infrastructure replacements and/or relocations as necessary due to the proposed City Transportation Department improvement project located at the Spring Street/Chestnut Drive/Broad Drive intersection.	Total Capital Cost:		\$280,000
	Total Operating Cost:		\$0
	Funding Source(s):	Transfer From Water	
<b>NC Highway 49 24" Water Line Extension:</b>			<b>\$ 900,000</b>
This project consists of providing a new 24" water line along NC Highway 49 from Stough Road to General Services Drive as part of a water system improvement.	Total Capital Cost:		\$7,188,000
	Total Operating Cost:		\$0
	Funding Source(s):	Future Project Reserves	
<b>Union Cemetery Road Realignment:</b>			<b>\$ 30,000</b>
This project consists of providing water infrastructure replacements and/or relocations as necessary due to the realignment of Union Cemetery Road as described in the proposed NCDOT project (TIP No. U-5956).	Total Capital Cost:		\$330,000
	Total Operating Cost:		\$0
	Funding Source(s):	Transfer From Water	
<b>US Highway 29/601 Bridge Over Irish Buffalo Creek:</b>			<b>\$ 20,000</b>
This project consists of providing water infrastructure replacements and/or relocations as necessary due to the replacement and/or widening of the existing bridge along US Highway 29/601 over Irish Buffalo Creek as described in the proposed NCDOT project (TIP No. B-5808).	Total Capital Cost:		\$220,000
	Total Operating Cost:		\$0
	Funding Source(s):	Transfer From Water	
<b>General Capital Projects:</b>			
<b>Union Street Streetscape:</b>			<b>\$ 200,000</b>
Union Street Streetscape - This project consists of widening existing sidewalks, infrastructure improvements as needed, replacing street trees and light poles, etc.	Total Capital Cost:		\$4,200,000
	Total Operating Cost:		\$200,000
	Funding Source(s):	Transfer from Capital Reserve	
<b>Fiber Network Extension:</b>			<b>\$ 250,000</b>
This project consists of a fiber network extension to provide high bandwidth connectivity for data, video, telephone, and SCADA needs for various City departments.	Total Capital Cost:		\$1,882,015
	Total Operating Cost:		\$0
	Funding Source(s):	Transfer from Aviation, Transfer from Electric, Transfer from Gen Fund, Transfer from Stormwater, Transfer from Wastewater, Transfer from Water	
<b>Grounds Shed Expansion:</b>			<b>\$ 545,000</b>
Expansion of the existing Grounds Shed would be approximately half the construction cost of a new Grounds Shed. This would be the Division's first choice as opposed to constructing an entirely new Grounds Shelter. This project would also include a mezzanine to accommodate the Grounds Crew Supervisors and to serve as a meeting place for a crew of 27 people. It would be 8,000 sq. ft. of covered storage area on a concrete slab. The design fees are not included as they are not anticipated with this expansion.	Total Capital Cost:		\$545,000
	Total Operating Cost:		\$0
	Funding Source(s):	Capital Reserve, Transfer from Aviation, Transfer from Electric, Transfer from Sewer, Transfer from Transit, Transfer from Water	

**General Capital Projects (Cont.):**

<b>Operations Center Improvements - Parking &amp; Access Road:</b>	<b>\$ 458,000</b>
The existing employee parking area at the Alfred M. Brown Operations Center is near capacity, making it difficult to host training events and Citywide functions. This project increases the number of parking spaces and provides an access road that minimizes conflicts between personal vehicles and City vehicles.	<i>Total Capital Cost:</i> \$1,075,000
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Transfer from General Fund

**Electric Capital Projects:**

<b>New 44kV Delivery #6 East of Concord - Sub P:</b>	<b>\$ 2,090,000</b>
This project will provide construction of a 44KV power delivery point East of Concord from which the City will purchase power from the electric grid. The project will consist of a 44KV station and four 44KV circuit breakers. The project will also include extension of 44KV transmission line to create interconnect with existing transmission lines providing power to Sub G and Sub I.	<i>Total Capital Cost:</i> \$2,090,000
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Transfer From Electric
<b>New Delivery #4 &amp; 100 kV Exits Down Hwy 29 - Interconnect - Phase 1:</b>	<b>\$ 5,109,912</b>
This project will provide construction of a 100 kV power delivery point from which the City will purchase power from the electric grid. This project will also consist of a 3.5 mile 100kV transmission line to integrate this Delivery Point with the existing 100 kV infrastructure on Concord Parkway South. This project will also include a 100-44 kv step down transformer to support Duke's Delivery #2.	<i>Total Capital Cost:</i> \$11,479,912
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Bond Proceeds, Transfer From Electric, Transfer from Utility Reserve Fund
<b>Construction of 100 kV Sub at Delivery #4 - Sub Q - Phase 2:</b>	<b>\$ 3,195,254</b>
This project consists of construction of a 100 KV dual bay 8 circuit electric substation, on the same site that houses Delivery #4.	<i>Total Capital Cost:</i> \$4,195,254
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Transfer From Electric
<b>Construction of New Electric Substation N in Copperfield Blvd Location:</b>	<b>\$ 500,000</b>
This project will provide an additional 100KV/12.4KV distribution substation to handle growing capacity needs in the City's Northeast service area and enhance the integrity of the current and future electric service to our customers.	<i>Total Capital Cost:</i> \$4,010,000
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Bond Proceeds, Transfer From Electric
<b>100 kV Tie Line-Liles Blvd to Sub O:</b>	<b>\$ 1,000,000</b>
This project will close a loop fed from Sub O to the 100 KV line at the intersection of George Lyles and Poplar Tent Road. Total project distance is 2.5 miles. The "tie line" will provide an alternate route of electric power to all substations on the western side of the City's service area.	<i>Total Capital Cost:</i> \$4,465,000
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Bond Proceeds, Transfer From Electric
<b>Construction of New Electric Substation R on Poplar Tent Rd:</b>	<b>\$ 500,000</b>
This project will provide an additional 100KV/12.4KV distribution substation to handle growing capacity needs in the City's Western service area and enhance the integrity of the current and future electric service to our customers.	<i>Total Capital Cost:</i> \$4,010,000
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Bond Proceeds, Transfer From Electric
<b>Construction of New Electric Substation S on US Hwy 601 S:</b>	<b>\$ 510,000</b>
This project will provide an additional 44KV/12.4KV distribution substation to handle growing capacity needs in the City's Southern service area and enhance the integrity of the current and future electric service to our customers.	<i>Total Capital Cost:</i> \$4,020,000
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Bond Proceeds, Transfer From Electric
<b>Delivery #1 Replacement:</b>	<b>\$ -</b>
This will provide for replacement of Delivery station 1 at Florence Ave.	<i>Total Capital Cost:</i> \$2,825,000
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Bond Proceeds, Transfer From Electric

**Stormwater Capital Projects:**

<b>Glen Eagles Lane Culvert Replacement:</b>	<b>\$ 936,000</b>
This culvert replacement and upsizing under Glen Eagles Lane is to reduce flooding risk to neighborhood homes and replace aging infrastructure.	<i>Total Capital Cost:</i> \$972,700
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Transfer From Stormwater

**Rocky River Golf Course Capital Projects:**

<b>Fairway Bunker Restoration:</b>	<b>\$ 129,800</b>
Fairway bunkers on the course need improved drainage and some can be removed. This project will complete course-wide bunker renovations, as the greens side bunkers were completed in Phase 1 in 2016.	<i>Total Capital Cost:</i> \$434,985
	<i>Total Operating Cost:</i> \$0
	<i>Funding Source(s):</i> Transfer From General Capital Reserves