



Capital Improvement Plan

Durham County, North Carolina

**Fiscal Years
2020-2029**

Durham County, North Carolina
Capital Improvement Plan
Fiscal Years 2020-2029

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Durham County Capital Improvement Plan (CIP)

Fiscal Years 2020-2029

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Dear Durham County Residents:

I am pleased to present Durham County’s FY 2020-2029 Capital Improvement Plan (CIP), my second since becoming the Durham County Manager. Since the last CIP update in FY 2016-17 the County has seen the completion of Administration II building renovation from its former life as a courthouse, as well as the near completion of the Main Library renovations, which was supported by a 2016 voter approved General Obligation bond referendum. That \$170 million referendum saw voter approval for Durham Public School projects (\$90 million), Durham Technical Community College projects (\$20 million), the Durham County Main Library renovation project (\$44.3 million), and various NC Museum of Life and Science projects \$14 million), including a new parking deck. Many of those “GO Bond” projects are completed or nearing completion.

As of FY 2019-20 Durham County has seen significant growth in population and the economy, with much of that growth centered around downtown Durham. This growth, both in population and our local economy has created challenges, including the availability of affordable housing, a demand for downtown parking, and County services. This updated CIP is responding to these issues with plans for two parking decks downtown, wrapped in affordable and market rate housing with commercial components, while a new, expanded Youth Home is planned for completion by FY 2021-22. Other near-term projects in this 10-year CIP include renovations to the Administration I Building (old County Courthouse), renovation of EMS Station #1 (beside Durham Regional Hospital) and designing a Public Safety Complex to support Sheriff, EMS, and Emergency Management needs.

Based on historical and current spending patterns, a General Obligation bond referendum is scheduled for the fall of 2022, for an estimated \$149 million. That amount could increase or decrease based on project choices made between now and then. Durham Public Schools would receive an estimated \$120 million, Durham Technical Community College would receive \$22 million and the NC Museum of Life and Science would receive a potential \$7 million, if all bonds were approved by Durham County voters. An additional \$50 million

in non-GO Bond funding is planned for Durham Public Schools to help support a new high school to replace Northern and provide additional funding for general building support throughout the school system.

Emerging slowly from a significantly more cautious lending climate over the last decade has had two serious effects on the CIP, one more positive than the other. 1) Low interest rates have lowered the lifetime cost of debt service for large capital projects, putting less pressure on dedicated property taxes needed to support those costs, and 2) the need to support future planned projects within a financial framework, including a higher dedicated fund balance, that continuously gives us the ability to maintain the County's highly regarded triple A bond rating.

Revenues, other than property taxes, which the County uses to support annual capital debt service are growing at a steady pace, but that growth has been slowing. Future growth estimates for these revenues, along with property tax revenue estimates are conservatively estimated in order to withstand possible economic downturns or other debt variables that are unknown at this time. What does this mean? It means that any significant project additions in future years to the CIP may need a concurrent property tax rate increase. Per Board of County Commissioner guidance, this 10-year CIP includes no dedicated property tax rate increase, however, changes in the economic landscape which could affect other CIP related revenues (sales tax and occupancy tax) as well as rising project costs or new projects could add pressure to increase the property tax rate needed in out years.

As one of ten counties in the state to be triple A rated, Durham County has proven that it takes great care and pride in being financially responsible in its daily operations and future outlook. Due to the current lending climate locally and nationally, agencies that bestow bond ratings are taking a very close look at how counties such as ours will be conducting our financial business going forward. In response to this new rating environment as well as our own concern about what Durham County finances can safely handle over the next several years Durham County management and the Board of County Commissioners felt it was prudent to limit the cost and scope of the FY 2020-29 CIP.

This plan is important to the County and its citizens for several reasons. First, it states the intentions and priorities of the Board of County Commissioners concerning capital needs for the next ten years, secondly, it defines the fiscal and logistical constraints that factor into the timing of each project. Third, this plan shows the costs and anticipated funding sources to be used to achieve these goals. Capital projects in the plan extend into the future for ten years, but the fiscal effects extend up to 30 years. With that in mind a capital financing plan is presented showing all funding sources and revenues that will be used to support estimated capital project costs. Finally, this ten-year CIP is just that, a plan, and while a great deal of effort and thought have already gone into developing what

you will see in the following pages, it offers a starting point from which yearly comparisons, fiscal and environmental changes, unforeseen needs, and public discussion can ensue.

This approved version of the FY 2020-29 CIP is a major update. Some highlights are listed below:

- The addition of a planned General Obligation Bond referendum in FY 2022-23 for \$149 million, and an additional referendum in FY 2028-29 for \$202 million.
- A new Youth Home is planned for completion in FY 2021-22.
- Significant funding of technology infrastructure built around the County's ERP (SAP) system is planned across a number of projects over the next ten years.
- Five new EMS stations are planned throughout the County to support growing population density and to keep response times to a minimum.
- Two new downtown parking decks are planned, with affordable and market rate housing and street level commercial components.
- A Public Safety and Service Complex is planned, in phases, across much of this CIP's 10-year span.


These changes represent better knowledge of existing project costs, new county capital needs, updated financial market constraints, changes in Board of County Commissioner directives, and other factors that can change over the span of two years. I am confident that this plan presents a balance of the County's physical needs, present and future, within the financial obligations and funding choices available to the County.

The County will continue to review the CIP on a biennial basis and present to the Board any recommended changes for consideration. This is necessary as new information about capital needs, fiscal strength, voter-supported funding, and existing project scheduling arises. A capital improvement plan involves the constant testing of assumptions and the requisite modification of the plan based on new and/or different information.

I know that this capital improvement plan clearly outlines Durham County government's effort and determination to provide its citizens with the best service and infrastructure possible. We will continue to fulfill the mandate given to us by the citizens and elected officials of this County to provide the highest quality services and facilities.

Staff and I look forward to working with the Board of County Commissioners and the community as we implement the FY 2020-2029 Capital Improvement Plan.

Sincerely,

A handwritten signature in black ink, appearing to read "W.M. Davis". The signature is stylized with a large initial "W" and a long horizontal stroke at the end.

Wendell M. Davis
County Manager



Summary

General information and graphs concerning the entire Capital Improvement Plan

Durham County FY 2020-2029 Capital Improvement Plan Project Allocation Summary

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$4,568,998	\$11,752,022	\$4,144,359	\$1,581,200	\$4,910,554	\$2,192,501	\$2,540,931	\$674,214	\$68,800	\$138,000	\$943,317	\$33,514,897
Land Acquisition	\$9,880,500	\$1,802,580	\$787,080	\$450,000	\$601,497	\$450,000	\$450,000	\$450,000	\$6,450,000	\$450,000	\$450,000	\$22,221,657
Construction	\$19,801,453	\$34,007,760	\$59,979,021	\$43,718,653	\$43,833,785	\$69,215,669	\$43,614,042	\$54,711,996	\$3,724,715	\$1,654,600	\$215,006,455	\$589,268,149
Equip/Furnishings	\$16,322,403	\$6,978,782	\$4,434,164	\$17,580,032	\$13,580,125	\$10,047,619	\$15,265,404	\$7,894,262	\$19,723,892	\$7,020,249	\$5,686,542	\$124,533,473
Other	\$85,595,776	\$31,142,463	\$25,335,278	\$6,872,401	\$8,815,312	\$1,539,254	\$953,483	\$1,618,651	\$1,411,215	\$1,162,933	\$650,524	\$165,097,291
Contingencies	\$1,253,920	\$2,609,304	\$1,395,322	\$927,953	\$524,414	\$2,279,868	\$229,434	\$1,199,074	\$215,780	\$195,884	\$1,570,413	\$12,401,366
Total	\$137,423,051	\$88,292,911	\$96,075,224	\$71,130,239	\$72,265,687	\$85,724,911	\$63,053,295	\$66,548,197	\$31,594,401	\$10,621,666	\$224,307,252	\$947,036,833

The project allocation amounts shown above are for all projects in the FY2020-2029 Capital Improvement Plan.

Planning: These costs include architect plans, site testing, and other pre-building issues.

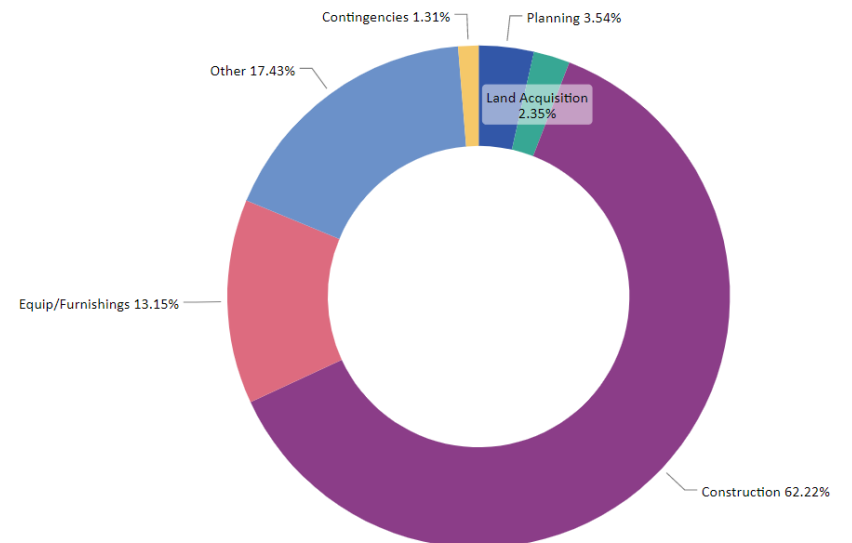
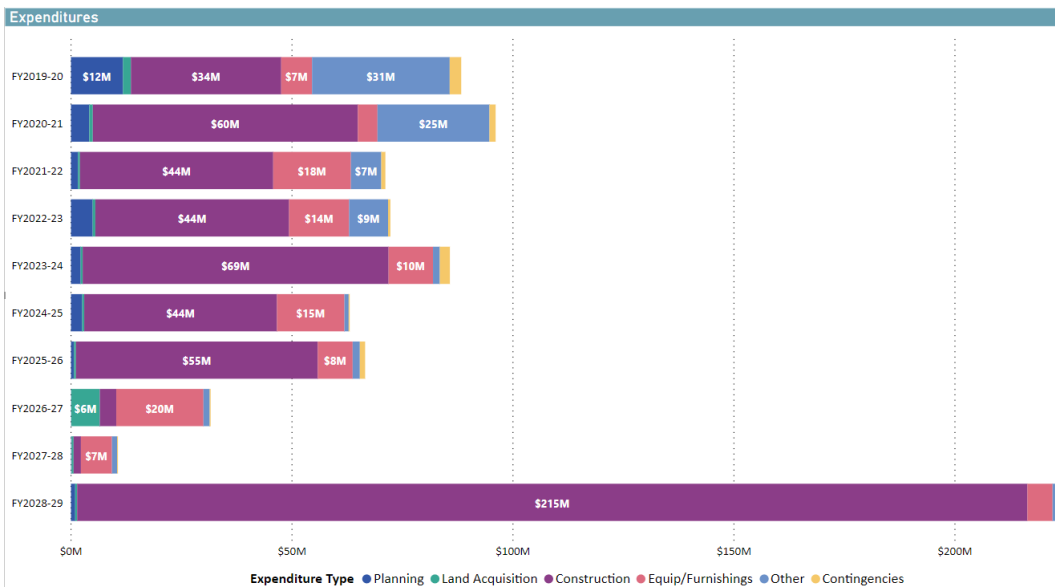
Land Acquisition: Estimated costs for land needed for various projects.

Construction: Estimated costs for the actual buildings related to specific projects.

Equip/Furnishings: Estimated costs for equipment such as chillers, alarm systems, and safety equipment. Furnishings include desks, chairs, courtroom benches and others items that will be used by employees and citizens.

Other: This allocation includes costs not easily fit in other categories. Examples include paving upgrades to County parking lots, security improvements to County buildings, and Sheriff body and car cameras.

Contingencies: This is generally a percentage of the total project cost and represents funds available for unforeseen and/or increased costs.



**Durham County FY 2020-2029 Capital Improvement Plan
Project Costs (By Strategic Plan Goal Area)**

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Goal 1	\$91,618,845	\$41,553,655	\$28,177,500	\$2,650,000	\$20,444,000	\$45,369,800	\$42,284,540	\$40,189,800	\$711,860		\$200,062,990	\$513,062,990
Durham Public Schools	\$79,118,845	\$34,253,655	\$26,627,500		\$15,000,000	\$35,000,000	\$35,000,000	\$35,000,000			\$150,000,000	\$410,000,000
Durham Technical Community College	\$12,500,000	\$7,300,000	\$1,550,000	\$2,650,000	\$5,000,000	\$8,350,000	\$5,900,000	\$2,750,000			\$20,000,000	\$66,000,000
NC Museum of Life & Science - Audacity Labs											\$1,288,801	\$1,288,801
NC Museum of Life & Science - Auditorium and Amphitheater											\$951,898	\$951,898
NC Museum of Life & Science - Classrooms (Woodland 4 and Classroom Upfit)											\$2,202,587	\$2,202,587
NC Museum of Life & Science - Create, Reinvent, Renew Exhibit Experiences											\$16,695,121	\$16,695,121
NC Museum of Life & Science - Exhibition Renovations					\$444,000	\$2,019,800	\$1,384,540	\$2,439,800	\$711,860			\$7,000,000
NC Museum of Life & Science - Infrastructure #2 (Operations, Landscape, Sustainability)											\$2,123,021	\$2,123,021
NC Museum of Life & Science - Infrastructure (Operations, Landscape, Sustainability)											\$1,444,873	\$1,444,873
NC Museum of Life & Science - Infrastructure (Visitor Amenities)											\$5,356,689	\$5,356,689
Goal 2	\$997,625	\$500,000	\$500,000		\$900,000						\$2,000,000	\$4,897,625
Bragtown Library Improvements	\$55,125				\$900,000							\$955,125
Southwest Library Parking Upgrade	\$0										\$2,000,000	\$2,000,000
Stanford L. Warren Library Water Intrusion Repair	\$942,500	\$500,000	\$500,000									\$1,942,500
Goal 3	\$8,038,499	\$9,289,710	\$37,734,212	\$15,917,183	\$6,517,309	\$27,146,773	\$9,972,749	\$17,653,743	\$20,538,840	\$1,816,974		\$154,625,993
Emergency Medical Services - Duke West (New 2 Bay Station)	\$0		\$337,080			\$285,701	\$2,380,842	\$75,182				\$3,078,805
Emergency Medical Services - Equipment Replacement	\$0	\$2,700,000	\$1,650,000				\$2,835,000			\$1,732,500		\$8,917,500
Emergency Medical Services - Far East Durham County (New 2 Bay Station)					\$151,497			\$321,014	\$2,675,115	\$84,474		\$3,232,100
Emergency Medical Services - MLK Blvd (New 4 Bay Station)	\$240,000	\$18,000			\$334,423	\$2,786,855	\$70,926					\$3,450,203
Emergency Medical Services - Renovation of Station #1	\$1,698,499	\$2,424,509	\$26,500									\$4,149,508
Emergency Medical Services - Station 18 Co-location			\$1,674,270									\$1,674,270
Emergency Medical Services - Station 19 Co-location		\$734,580			\$1,767,468	\$200,734						\$2,702,782
Multi-Department Radio and Towers	\$6,100,000	\$200,000	\$3,320,000						\$11,709,176			\$21,329,176
New Youth Home		\$1,770,833	\$17,001,161	\$375,170								\$19,147,164
Public Safety and Service Complex*		\$684,180	\$7,460,469	\$14,619,868	\$4,263,921	\$23,873,483	\$4,685,980	\$17,257,548	\$2,154,550			\$75,000,000

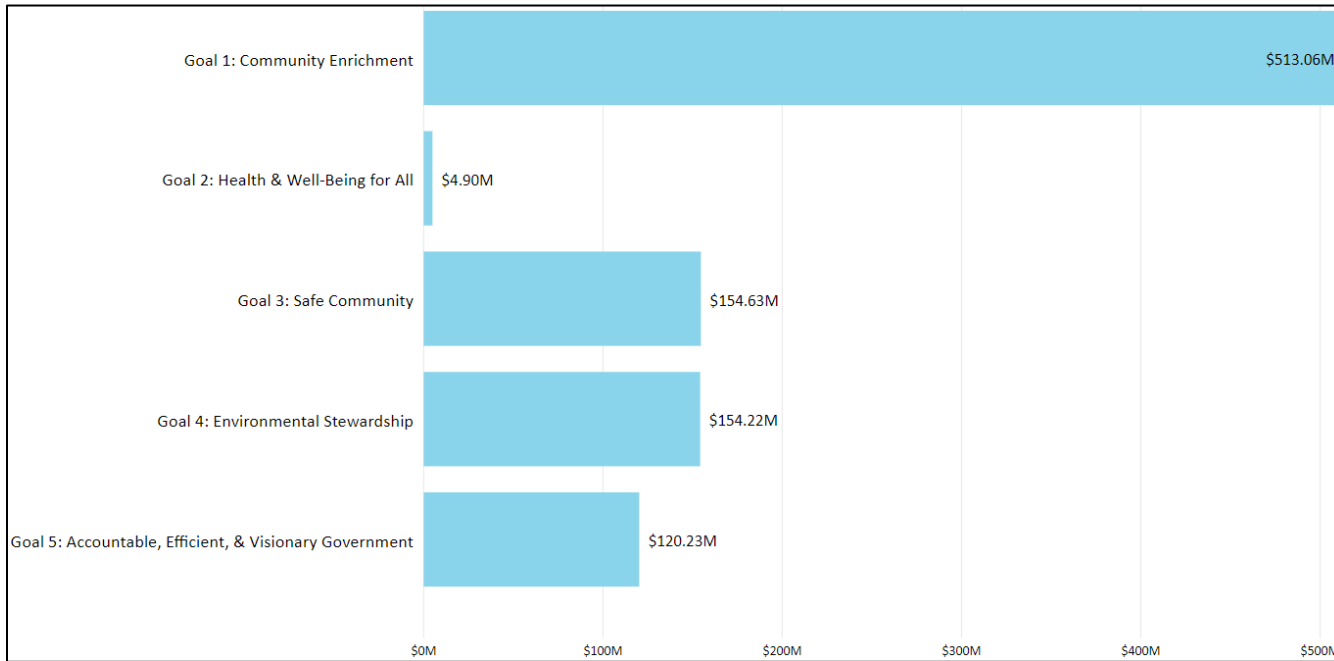
**Durham County FY 2020-2029 Capital Improvement Plan
Project Costs (By Strategic Plan Goal Area)**

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Sheriff - Detention Center Annex Expansion	\$0		\$0						\$4,000,000			\$4,000,000
Sheriff - Firing Range Upgrade		\$757,608	\$6,264,732	\$922,145								\$7,944,486
Goal 4	\$15,835,079	\$29,792,698	\$17,874,080	\$32,874,200	\$31,317,397	\$3,463,200	\$1,120,000	\$1,120,000	\$3,120,000	\$1,280,800	\$16,420,100	\$154,217,553
300 and 500 Main Street Downtown Parking Decks	\$250,000	\$3,699,920	\$16,264,080	\$20,451,200	\$15,341,200							\$56,006,400
Alliance Behavioral Health Care Space Refurbishment at Human Services Complex	\$150,000	\$917,400										\$1,067,400
Development Finance Initiatives - Affordable Housing				\$4,600,000	\$3,900,000							\$8,500,000
Durham County Administrative Building #1 Refurbishing	\$1,131,744	\$7,280,975										\$8,412,719
Durham to Timberlake Rail Trail Corridor									\$2,000,000	\$75,000	\$480,000	\$2,555,000
Engineering - Stormwater Retrofit	\$200,000	\$1,000,000	\$250,000	\$250,000								\$1,700,000
Enterprise Fund - Biological Nutrient Removal Aeration Upgrade	\$2,103,200	\$2,316,200		\$213,000	\$2,316,200	\$2,103,200						\$9,051,800
Enterprise Fund - Collections System Rehabilitation	\$2,965,135	\$560,000	\$560,000	\$560,000	\$560,000	\$560,000	\$620,000	\$620,000	\$620,000	\$620,000	\$620,000	\$8,865,135
Enterprise Fund - New Administration Building		\$22,000	\$300,000	\$6,100,000								\$6,422,000
Enterprise Fund - Sludge Energy Recover and Solar Drying	\$5,200,000										\$14,500,000	\$19,700,000
Old Social Services Main Street Building Renovation*	\$0	\$800,003		\$200,000	\$8,699,997	\$300,000						\$10,000,000
Open Space and Farmland Preservation	\$3,800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,800,000
Snow Hill Road Pump Station Improvements	\$35,000	\$12,696,200								\$85,800	\$320,100	\$13,137,100
Goal 5	\$20,933,004	\$7,156,848	\$11,789,431	\$19,688,856	\$13,086,981	\$9,745,138	\$9,676,006	\$7,584,654	\$7,223,701	\$7,523,892	\$5,824,162	\$120,232,672
General Services - County Buildings Envelope Upgrades	\$1,500,000	\$403,744	\$470,670	\$442,257	\$146,619	\$154,336	\$176,384	\$135,595	\$341,744	\$1,091,376	\$463,008	\$5,325,734
General Services - County Buildings HVAC Replacement	\$1,916,215	\$541,775	\$387,205	\$909,619	\$790,829	\$401,125	\$421,280	\$20,225	\$103,933	\$367,417	\$353,934	\$6,213,558
General Services - County Buildings Roof Replacement	\$2,957,049	\$774,223	\$0	\$13,653	\$78,398	\$159,954	\$174,199	\$211,033	\$271,028	\$312,237	\$0	\$4,951,774
General Services - County Buildings Security Improvements	\$838,876	\$334,162	\$474,809	\$441,116	\$58,800	\$58,574		\$527,800	\$543,900	\$296,207		\$3,574,244
General Services - County Parking Lots Refurbishment	\$1,515,183	\$297,179	\$624,456	\$409,554	\$80,721	\$0	\$80,267	\$0	\$39,780	\$0	\$53,555	\$3,100,696
General Services - County Stadium Upgrades	\$1,471,403	\$338,456	\$1,285,729	\$648,071	\$122,544	\$265,860	\$127,280	\$0	\$0	\$0		\$4,259,342
General Services - Detention Center Window Replacement	\$1,400,000		\$1,541,947									\$2,941,947
General Services - Leased Convenience Site Upgrades	\$368,330	\$423,050	\$3,474,510									\$4,265,890
General Services - Owned Convenience Sites Renovation	\$214,947	\$439,671	\$100,000	\$876,250	\$876,250							\$2,507,118

**Durham County FY 2020-2029 Capital Improvement Plan
Project Costs (By Strategic Plan Goal Area)**

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Services - Parkwood Building Upgrades for Continued Use	\$0	\$337,643										\$337,643
Information Services & Technology - SAP S/4 Hana		\$250,000	\$250,000	\$10,699,694								\$11,199,694
Information Services & Technology - SAP Success Factors Employee Central & Payroll					\$5,083,137							\$5,083,137
Information Services & Technology -Project Portfolio Manager			\$200,000	\$250,000	\$200,000							\$650,000
Information Services & Technology -SAP Ariba							\$4,299,766					\$4,299,766
Information Services & Technology -SAP Budget & Planning						\$2,679,358						\$2,679,358
Information Services & Technology -SAP Cloud Analytics & Development Platform								\$1,000,000	\$600,000	\$600,000	\$600,000	\$2,800,000
Information Services & Technology -Sheriff Body and Vehicle Cameras			\$922,000	\$600,000	\$600,000	\$600,000	\$887,500	\$600,000	\$600,000	\$600,000	\$600,000	\$6,009,500
Information Services & Technology -Sheriff Technology Life Cycle Replacement			\$774,341	\$658,190	\$1,361,229	\$599,462	\$611,314	\$689,381	\$1,565,413	\$749,190	\$719,354	\$7,727,874
Information Services & Technology - Technology Disaster Recovery Site					\$250,000	\$851,000	\$898,000	\$898,000				\$2,897,000
Information Services & Technology - Technology Life Cycle Replacement	\$8,751,000	\$3,016,944	\$1,283,765	\$3,740,452	\$3,438,454	\$3,975,469	\$2,000,015	\$3,502,620	\$3,157,903	\$3,507,465	\$3,034,311	\$39,408,397
Total	\$137,423,051	\$88,292,911	\$96,075,224	\$71,130,239	\$72,265,687	\$85,724,911	\$63,053,295	\$66,548,197	\$31,594,401	\$10,621,666	\$224,307,252	\$947,036,833

FY 2020-2029 Capital Improvement Plan Strategic Plan Goal Area Totals & Percentages



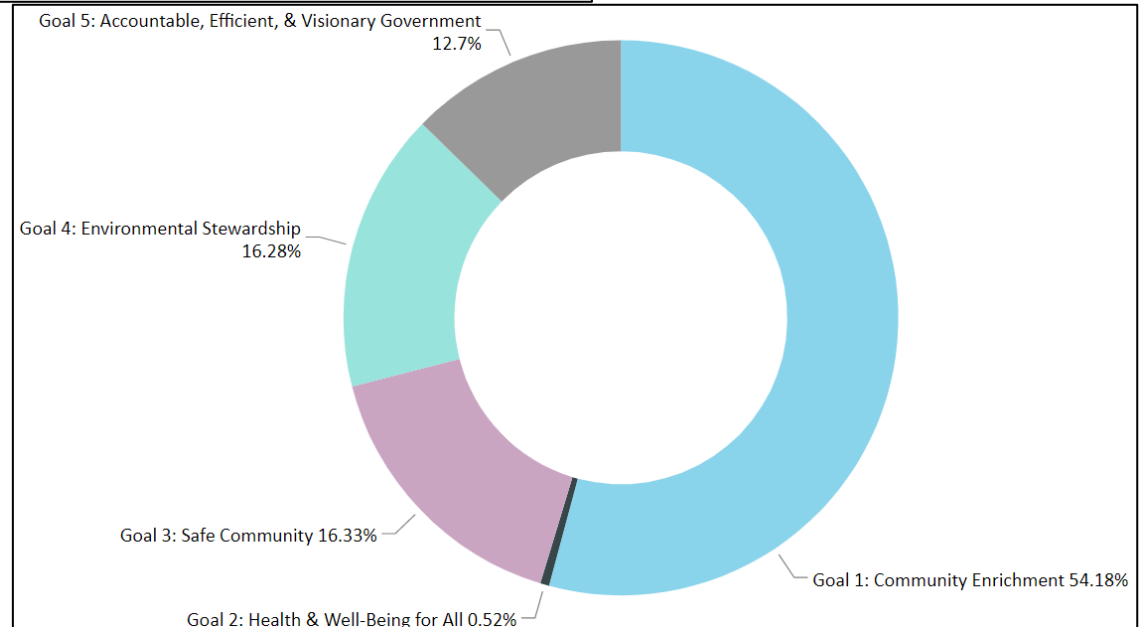
GOAL 1 COMMUNITY EMPOWERMENT AND ENRICHMENT: Provide access to educational, vocational, economic and cultural opportunities while empowering citizens to choose pathways for their own success.

GOAL 2 HEALTH AND WELL-BEING FOR ALL: Improve the quality of life across the lifespan through protecting the health of community, reducing barriers to access services and ensuring a network of integrated health and human services available to people in need.

GOAL 3 SAFE COMMUNITY: Partner with stakeholders to prevent and address unsafe conditions, protect life and property, respond to emergencies and ensure accessible and fair justice.

GOAL 4 ENVIRONMENTAL STEWARDSHIP AND COMMUNITY PROSPERITY: Protect natural resources and support and promote community and economic vitality for all residents of Durham County.

GOAL 5 ACCOUNTABLE, EFFICIENT AND VISIONARY GOVERNMENT: An effective organization committed to continuous innovation, exceptional customer service, transparency and fiscal responsibility.



Capital Improvement Plan Financing Overview

Two major functions of a capital improvement plan are the identification and prioritization of capital projects over a specified amount of time (in this case 10 years) and the financing choices used to fund planned capital projects. The selection of projects for Durham County's FY 2020-2029 capital improvement plan was born out of a detailed grading process that involved costs, needs, timeliness, and other criteria. The financing choices were and are more limited. Identifying a particular type of financing for a specific project includes: assessing legal funding criteria for specific types of projects, county debt capacity, securing and keeping a high County bond rating (triple A), the total cost of issuing different types of debt, debt payment schedules, planned tax increases due to increased debt payments, and anticipated voter support for bond referendums. While finding worthwhile capital projects to support is all too easy, finding the appropriate debt vehicles and revenue to support debt payments is much more complicated.

Below is a list of the types of funding included in Durham County's FY 2020-2029 capital improvement plan along with a brief description:

County Contribution (PAYGO): Funding directly from County revenue (cash) for each year. There is no debt associated with this funding.

General Obligation Bonds: Funds received after voter approval of a bond referendum. This is the strongest form of security a local government can pledge for debt, its full faith and credit, making the debt general obligation. In November 2022, Durham County residents will vote in a referendum to give Durham County the approval to issue up to \$149 million in General Obligation debt. Debt payments for G.O. Bonds are expected to be paid off over twenty years.

Two Thirds Bonds: These are funds that the County can receive by issuing General Obligation bonds equal to 2/3rds of the amount of General Obligation Bond debt service paid off in the previous year. These bonds do not require voter approval. No 2/3rds Bonds are used in the current 10-year CIP.

LOBS/Short Term Bank Financing: Limited Obligation Bonds (LOBS) and Bank Financing are other financing sources that do not require voter approval. Limited Obligation Bonds are a loan (made by multiple financial institutions) broken into pieces and sold to investors. Each piece is a Limited Obligation Bond. This is the second largest funding source behind General Obligation Bonds in the current 10-year CIP.

Short term bank financing is secured by a pledge of the asset being purchased and is being used in this current CIP for IT related purchases of County computer hardware replacement, audio/visual equipment, and ERP system upgrades with a planned four-year hardware replacement schedule. Also supported by 10-year bank financings are 800 MHz radio replacement and radio tower replacements.

Enterprise Fund (Revenue Bonds): These funds come from revenue collected by the County's wastewater treatment facility and collection system. The revenue goes to support capital projects related to the wastewater treatment facility and collection system. Revenue Bonds are planned for a Sludge Energy project in FY 2028-29. Revenue Bonds are backed by revenue earned by the asset, in this case fees charged to customers of the WWTP.

Miscellaneous Revenue: Miscellaneous revenue represents sources other than those listed above. However, there are no revenues of this type identified in this 10-year CIP.

Durham County FY 2020-2029 Capital Improvement Plan Funding Source Summary

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Goal 1	\$114,000,000	\$50,000,000			\$149,000,000						\$200,062,990	\$513,062,990
Durham Public Schools	\$90,000,000	\$50,000,000			\$120,000,000						\$150,000,000	\$410,000,000
General Obligation Bonds	\$90,000,000				\$120,000,000						\$150,000,000	\$360,000,000
Limited Obligation Bonds		\$50,000,000										\$50,000,000
Durham Technical Community College	\$24,000,000				\$22,000,000						\$20,000,000	\$66,000,000
County Contribution	\$4,000,000											\$4,000,000
General Obligation Bonds	\$20,000,000				\$22,000,000						\$20,000,000	\$62,000,000
NC Museum of Life & Science - Audacity Labs											\$1,288,801	\$1,288,801
General Obligation Bonds											\$1,288,801	\$1,288,801
NC Museum of Life & Science - Auditorium and Amphitheater											\$951,898	\$951,898
General Obligation Bonds											\$951,898	\$951,898
NC Museum of Life & Science - Classrooms (Woodland 4 and Classroom Upfit)											\$2,202,587	\$2,202,587
General Obligation Bonds											\$2,202,587	\$2,202,587
NC Museum of Life & Science - Create, Reinvent, Renew Exhibit Experiences											\$16,695,121	\$16,695,121
General Obligation Bonds											\$16,695,121	\$16,695,121
NC Museum of Life & Science - Exhibition Renovations					\$7,000,000							\$7,000,000
General Obligation Bonds					\$7,000,000							\$7,000,000
NC Museum of Life & Science - Infrastructure #2 (Operations, Landscape, Sustainability)											\$2,123,021	\$2,123,021
General Obligation Bonds											\$2,123,021	\$2,123,021
NC Museum of Life & Science - Infrastructure (Operations, Landscape, Sustainability)											\$1,444,873	\$1,444,873
General Obligation Bonds											\$1,444,873	\$1,444,873
NC Museum of Life & Science - Infrastructure (Visitor Amenities)											\$5,356,689	\$5,356,689
General Obligation Bonds											\$5,356,689	\$5,356,689
Goal 2	\$997,625	\$500,000	\$500,000		\$900,000						\$2,000,000	\$4,897,625
Bragtown Library Improvements	\$55,125				\$900,000							\$955,125
County Contribution	\$55,125				\$900,000							\$955,125
Southwest Library Parking Upgrade	\$0										\$2,000,000	\$2,000,000
County Contribution	\$0											\$0
General Obligation Bonds											\$2,000,000	\$2,000,000
Limited Obligation Bonds	\$0											\$0

Durham County FY 2020-2029 Capital Improvement Plan Funding Source Summary

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Stanford L. Warren Library Water Intrusion Repair	\$942,500	\$500,000	\$500,000									\$1,942,500
County Contribution	\$942,500	\$500,000	\$500,000									\$1,942,500
Limited Obligation Bonds	\$0											\$0
Goal 3	\$8,038,499	\$9,289,710	\$37,734,212	\$15,917,183	\$6,517,309	\$27,146,773	\$9,972,749	\$17,653,743	\$20,538,840	\$1,816,974		\$154,625,993
Emergency Medical Services - Duke West (New 2 Bay Station)	\$0		\$337,080			\$285,701	\$2,380,842	\$75,182				\$3,078,805
County Contribution	\$0		\$337,080			\$285,701		\$75,182				\$697,963
Limited Obligation Bonds							\$2,380,842					\$2,380,842
Emergency Medical Services - Equipment Replacement	\$0	\$2,700,000	\$1,650,000				\$2,835,000			\$1,732,500		\$8,917,500
County Contribution		\$2,700,000	\$1,650,000				\$2,835,000			\$1,732,500		\$8,917,500
Limited Obligation Bonds	\$0											\$0
Emergency Medical Services - Far East Durham County (New 2 Bay Station)					\$151,497			\$321,014	\$2,675,115	\$84,474		\$3,232,100
County Contribution					\$151,497			\$321,014		\$84,474		\$556,985
Limited Obligation Bonds									\$2,675,115			\$2,675,115
Emergency Medical Services - MLK Blvd (New 4 Bay Station)	\$240,000	\$18,000			\$334,423	\$2,786,855	\$70,926					\$3,450,203
County Contribution	\$240,000	\$18,000			\$334,423		\$70,926					\$663,349
Limited Obligation Bonds						\$2,786,855						\$2,786,855
Emergency Medical Services - Renovation of Station #1	\$1,698,499	\$2,424,509	\$26,500									\$4,149,508
County Contribution	\$808,499		\$26,500									\$834,999
Two Thirds Bonds	\$350,000											\$350,000
Limited Obligation Bonds	\$540,000	\$2,424,509										\$2,964,509
Emergency Medical Services - Station 18 Co-location			\$1,674,270									\$1,674,270
Limited Obligation Bonds			\$1,674,270									\$1,674,270
Emergency Medical Services - Station 19 Co-location		\$734,580			\$1,767,468	\$200,734						\$2,702,782
County Contribution		\$734,580			\$1,767,468	\$200,734						\$2,702,782
Multi-Department Radio and Towers	\$6,100,000	\$200,000	\$3,320,000						\$11,709,176			\$21,329,176
County Contribution		\$200,000										\$200,000
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$6,100,000		\$3,320,000						\$11,709,176			\$21,129,176
New Youth Home	\$0	\$1,770,833	\$17,001,161	\$375,170								\$19,147,164
County Contribution		\$1,770,833		\$375,170								\$2,146,003
Limited Obligation Bonds	\$0		\$17,001,161									\$17,001,161
Public Safety and Service Complex*		\$684,180	\$7,460,469	\$14,619,868	\$4,263,921	\$23,873,483	\$4,685,980	\$17,257,548	\$2,154,550			\$75,000,000
County Contribution		\$684,180										\$684,180
Limited Obligation Bonds			\$7,460,469	\$14,619,868	\$4,263,921	\$23,873,483	\$4,685,980	\$17,257,548	\$2,154,550			\$74,315,820

Durham County FY 2020-2029 Capital Improvement Plan Funding Source Summary

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Sheriff - Detention Center Annex Expansion	\$0								\$4,000,000			\$4,000,000
Limited Obligation Bonds	\$0								\$4,000,000			\$4,000,000
Sheriff - Firing Range Upgrade		\$757,608	\$6,264,732	\$922,145								\$7,944,486
County Contribution		\$757,608		\$922,145								\$1,679,753
Limited Obligation Bonds			\$6,264,732									\$6,264,732
Goal 4	\$15,835,079	\$30,292,698	\$17,624,080	\$32,624,200	\$31,317,397	\$3,463,200	\$1,120,000	\$1,120,000	\$3,120,000	\$1,280,800	\$16,420,100	\$154,217,553
300 and 500 Main Street Downtown Parking Decks	\$250,000	\$3,699,920	\$16,264,080	\$20,451,200	\$15,341,200	\$0						\$56,006,400
County Contribution	\$250,000											\$250,000
Limited Obligation Bonds		\$3,699,920	\$16,264,080	\$20,451,200	\$15,341,200	\$0						\$55,756,400
Alliance Behavioral Health Care Space Refurbishment at Human Services Complex	\$150,000	\$917,400										\$1,067,400
County Contribution	\$150,000	\$917,400										\$1,067,400
Limited Obligation Bonds	\$0											\$0
Development Finance Initiatives - Affordable Housing	\$0			\$4,600,000	\$3,900,000							\$8,500,000
County Contribution	\$0			\$4,600,000	\$3,900,000							\$8,500,000
Limited Obligation Bonds	\$0											\$0
Durham County Administrative Building #1 Refurbishing	\$1,131,744	\$7,280,975										\$8,412,719
County Contribution	\$1,131,744											\$1,131,744
Limited Obligation Bonds		\$7,280,975										\$7,280,975
Durham to Timberlake Rail Trail Corridor									\$2,000,000	\$75,000	\$480,000	\$2,555,000
County Contribution										\$75,000	\$480,000	\$555,000
Limited Obligation Bonds									\$2,000,000			\$2,000,000
Engineering - Stormwater Retrofit	\$200,000	\$1,500,000										\$1,700,000
County Contribution	\$200,000											\$200,000
Limited Obligation Bonds		\$1,500,000										\$1,500,000
Enterprise Fund - Biological Nutrient Removal Aeration Upgrade	\$2,103,200	\$2,316,200	\$0	\$213,000	\$2,316,200	\$2,103,200						\$9,051,800
Enterprise Fund	\$2,103,200	\$2,316,200	\$0	\$213,000	\$2,316,200	\$2,103,200						\$9,051,800
Enterprise Fund - Collections System Rehabilitation	\$2,965,135	\$560,000	\$560,000	\$560,000	\$560,000	\$560,000	\$620,000	\$620,000	\$620,000	\$620,000	\$620,000	\$8,865,135
Enterprise Fund	\$2,965,135	\$560,000	\$560,000	\$560,000	\$560,000	\$560,000	\$620,000	\$620,000	\$620,000	\$620,000	\$620,000	\$8,865,135
Enterprise Fund - New Administration Building		\$22,000	\$300,000	\$6,100,000								\$6,422,000
Enterprise Fund		\$22,000	\$300,000	\$6,100,000								\$6,422,000
Enterprise Fund - Sludge Energy Recover and Solar Drying	\$5,200,000										\$14,500,000	\$19,700,000
Enterprise Fund	\$5,200,000											\$5,200,000
Revenue Bonds											\$14,500,000	\$14,500,000

Durham County FY 2020-2029 Capital Improvement Plan Funding Source Summary

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Old Social Services Main Street Building Renovation*	\$0	\$800,003		\$200,000	\$8,699,997	\$300,000						\$10,000,000
County Contribution		\$800,003		\$200,000		\$300,000						\$1,300,003
Limited Obligation Bonds	\$0				\$8,699,997							\$8,699,997
Open Space and Farmland Preservation	\$3,800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,800,000
County Contribution	\$3,800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,800,000
Snow Hill Road Pump Station Improvements	\$35,000	\$12,696,200								\$85,800	\$320,100	\$13,137,100
County Contribution	\$35,000									\$85,800	\$320,100	\$440,900
Limited Obligation Bonds	\$0	\$12,696,200										\$12,696,200
Goal 5	\$20,933,004	\$7,156,848	\$27,362,687	\$14,690,214	\$7,687,298	\$4,570,208	\$24,647,977	\$2,792,653	\$1,900,385	\$2,667,237	\$5,824,162	\$120,232,672
General Services - County Buildings Envelope Upgrades	\$1,500,000	\$403,744	\$470,670	\$442,257	\$146,619	\$154,336	\$176,384	\$135,595	\$341,744	\$1,091,376	\$463,008	\$5,325,734
County Contribution	\$1,500,000	\$403,744	\$470,670	\$442,257	\$146,619	\$154,336	\$176,384	\$135,595	\$341,744	\$1,091,376	\$463,008	\$5,325,734
Limited Obligation Bonds	\$0											\$0
General Services - County Buildings HVAC Replacement	\$1,916,215	\$541,775	\$387,205	\$909,619	\$790,829	\$401,125	\$421,280	\$20,225	\$103,933	\$367,417	\$353,934	\$6,213,558
County Contribution	\$1,916,215	\$541,775	\$387,205	\$909,619	\$790,829	\$401,125	\$421,280	\$20,225	\$103,933	\$367,417	\$353,934	\$6,213,558
General Services - County Buildings Roof Replacement	\$2,957,049	\$774,223	\$0	\$13,653	\$78,398	\$159,954	\$174,199	\$211,033	\$271,028	\$312,237	\$0	\$4,951,774
County Contribution	\$2,957,049	\$774,223	\$0	\$13,653	\$78,398	\$159,954	\$174,199	\$211,033	\$271,028	\$312,237	\$0	\$4,951,774
General Services - County Buildings Security Improvements	\$838,876	\$334,162	\$474,809	\$441,116	\$58,800	\$58,574	\$0	\$527,800	\$543,900	\$296,207	\$0	\$3,574,244
County Contribution	\$838,876	\$334,162	\$474,809	\$441,116	\$58,800	\$58,574	\$0	\$527,800	\$543,900	\$296,207	\$0	\$3,574,244
General Services - County Parking Lots Refurbishment	\$1,515,183	\$297,179	\$624,456	\$409,554	\$80,721	\$0	\$80,267	\$0	\$39,780	\$0	\$53,555	\$3,100,696
County Contribution	\$1,515,183	\$297,179	\$624,456	\$409,554	\$80,721	\$0	\$80,267	\$0	\$39,780	\$0	\$53,555	\$3,100,696
General Services - County Stadium Upgrades	\$1,471,403	\$338,456	\$1,285,729	\$648,071	\$122,544	\$265,860	\$127,280	\$0				\$4,259,342
County Contribution	\$1,471,403	\$338,456	\$1,285,729	\$648,071	\$122,544	\$265,860	\$127,280	\$0				\$4,259,342
General Services - Detention Center Window Replacement	\$1,400,000		\$1,541,947		\$0	\$0	\$0	\$0				\$2,941,947
County Contribution	\$550,000		\$1,541,947		\$0	\$0	\$0	\$0				\$2,091,947
Limited Obligation Bonds	\$850,000											\$850,000
General Services - Leased Convenience Site Upgrades	\$368,330	\$423,050	\$3,474,510									\$4,265,890
County Contribution	\$368,330	\$423,050										\$791,380
Limited Obligation Bonds	\$0		\$3,474,510									\$3,474,510
General Services - Owned Convenience Sites Renovation	\$214,947	\$439,671	\$100,000	\$876,250	\$876,250							\$2,507,118
County Contribution	\$214,947	\$439,671	\$100,000	\$876,250	\$876,250							\$2,507,118
Limited Obligation Bonds	\$0											\$0

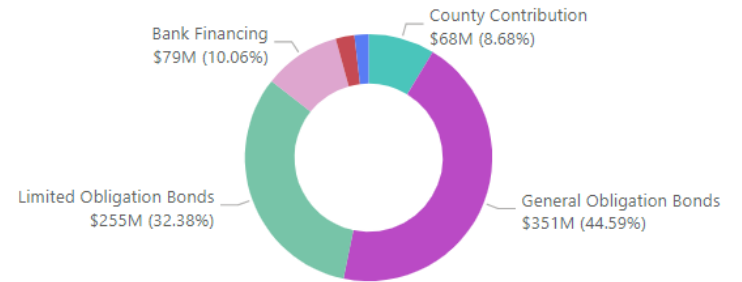
Durham County FY 2020-2029 Capital Improvement Plan Funding Source Summary

Goal Area	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Services - Parkwood Building Upgrades for Continued Use	\$0	\$337,643										\$337,643
County Contribution		\$337,643										\$337,643
Limited Obligation Bonds	\$0											\$0
Information Services & Technology - SAP S/4 Hana	\$0	\$250,000	\$250,000	\$10,699,694								\$11,199,694
County Contribution	\$0	\$250,000	\$250,000									\$500,000
Bank Financing				\$10,699,694								\$10,699,694
Information Services & Technology - SAP Success Factors Employee Central & Payroll	\$0				\$5,083,137							\$5,083,137
County Contribution	\$0											\$0
Bank Financing					\$5,083,137							\$5,083,137
Information Services & Technology -Project Portfolio Manager	\$0		\$200,000	\$250,000	\$200,000							\$650,000
County Contribution	\$0		\$200,000	\$250,000	\$200,000							\$650,000
Information Services & Technology -SAP Ariba	\$0						\$4,299,766					\$4,299,766
County Contribution	\$0											\$0
Bank Financing							\$4,299,766					\$4,299,766
Information Services & Technology -SAP Budget & Planning	\$0					\$2,679,358						\$2,679,358
County Contribution	\$0											\$0
Bank Financing						\$2,679,358						\$2,679,358
Information Services & Technology -SAP Cloud Analytics & Development Platform	\$0							\$1,000,000	\$600,000	\$600,000	\$600,000	\$2,800,000
County Contribution	\$0							\$1,000,000	\$600,000	\$600,000	\$600,000	\$2,800,000
Information Services & Technology -Sheriff Body and Vehicle Cameras			\$2,722,000				\$2,687,500				\$600,000	\$6,009,500
Bank Financing			\$2,722,000				\$2,687,500				\$600,000	\$6,009,500
Information Services & Technology -Sheriff Technology Life Cycle Replacement	\$0		\$3,393,221				\$3,615,299				\$719,354	\$7,727,874
County Contribution	\$0											\$0
Bank Financing			\$3,393,221				\$3,615,299				\$719,354	\$7,727,874
Information Services & Technology - Technology Disaster Recovery Site	\$0				\$250,000	\$851,000	\$898,000	\$898,000				\$2,897,000
County Contribution	\$0				\$250,000	\$851,000	\$898,000	\$898,000				\$2,897,000
Information Services & Technology - Technology Life Cycle Replacement	\$8,751,000	\$3,016,944	\$12,438,140				\$12,168,002				\$3,034,311	\$39,408,397
County Contribution	\$8,751,000	\$3,016,944										\$11,767,944
Bank Financing			\$12,438,140				\$12,168,002				\$3,034,311	\$27,640,453
Total	\$159,804,206	\$97,239,256	\$83,220,979	\$63,231,597	\$195,422,004	\$35,180,180	\$35,740,726	\$21,566,397	\$25,559,225	\$5,765,011	\$224,307,252	\$947,036,833

Durham County FY 2020-29 Capital Improvement Plan Funding Source Type and Amounts

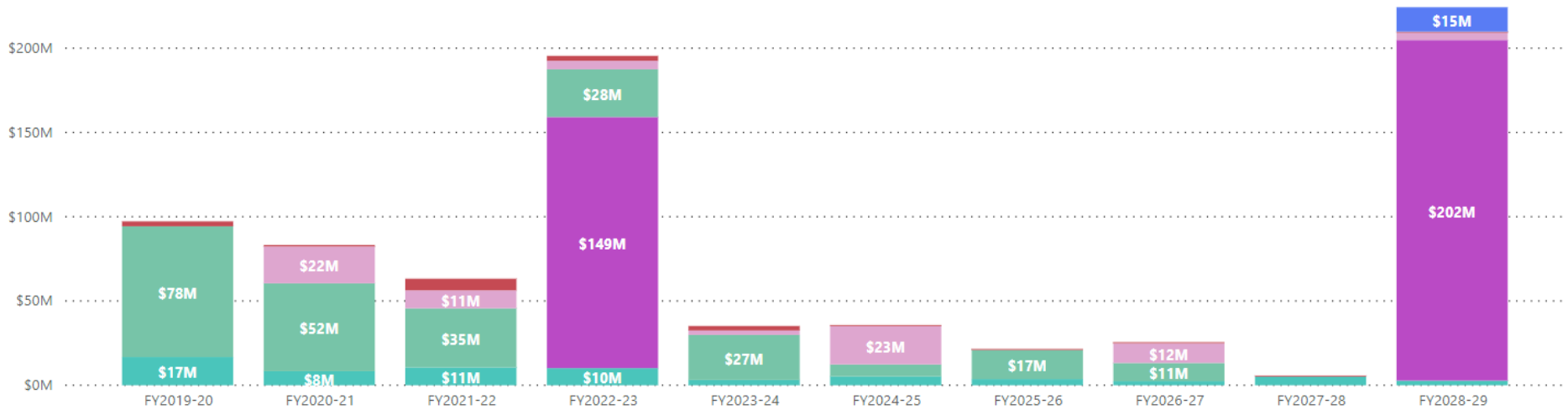
Revenue Sources

Fiscal Year	County Contribution	General Obligation Bonds	Limited Obligation Bonds	Bank Financing	Enterprise Fund	Revenue Bonds	Total
FY2019-20	\$16,739,452		\$77,601,604		\$2,898,200		\$97,239,256
FY2020-21	\$8,348,396		\$52,139,222	\$21,873,361	\$860,000		\$83,220,979
FY2021-22	\$10,587,835		\$35,071,068	\$10,699,694	\$6,873,000		\$63,231,597
FY2022-23	\$10,157,549	\$149,000,000	\$28,305,118	\$5,083,137	\$2,876,200		\$195,422,004
FY2023-24	\$3,177,284		\$26,660,338	\$2,679,358	\$2,663,200		\$35,180,180
FY2024-25	\$5,283,337		\$7,066,823	\$22,770,567	\$620,000		\$35,740,726
FY2025-26	\$3,688,849		\$17,257,548		\$620,000		\$21,566,397
FY2026-27	\$2,400,385		\$10,829,664	\$11,709,176	\$620,000		\$25,559,225
FY2027-28	\$5,145,011				\$620,000		\$5,765,011
FY2028-29	\$2,770,597	\$202,062,990		\$4,353,665	\$620,000	\$14,500,000	\$224,307,252
Total	\$68,298,694	\$351,062,990	\$254,931,386	\$79,168,958	\$19,270,600	\$14,500,000	\$787,232,627



Revenue Sources by Year

Item ● County Contribution ● General Obligation Bonds ● Limited Obligation Bonds ● Bank Financing ● Enterprise Fund ● Revenue Bonds



Capital Financing Plan Model

Once the types and amounts of debt and capital spending were decided on, it became necessary to estimate where and how much revenue would be needed from Durham County to support the capital projects planned and implemented. A capital finance plan model was created to estimate the amount and type of revenue that would be available to pay for the capital improvement plan. This model is included in the CIP document and shows various types of revenues, including property taxes, needed over the next ten years (although most types of debt payments extend out 20 to 30 years).

While the capital financing plan model is filled with numbers, it is not as complicated as it may initially seem. The top table of the plan shows the “known” debt (debt incurred previous to FY 2019-20), “new” debt (debt incurred as part of the CIP in future years), future PAYGO (Pay as you go, or cash), and other minor known costs. The end result is the expected net General Fund debt for each of the next ten years. This is the amount of debt that will have to be supported with various revenue sources, which are shown in the middle of the plan. It should be noted that PAYGO is considered direct financial support of the CIP from the County. There are no multi-year payments associated with these funds. This amount is set each year by the Board of County Commissioners through the adoption of the annual budget, and can be changed as new projects are added to the CIP, or as other unknown factors dictate.

Revenues to support the net General Fund debt are largely dictated by the Capital Financing Policy initially adopted by the Board of County Commissioners in March, 1989, which outlines several revenue sources to be specifically used for capital projects and debt related to capital projects. They are:

- Article 40 and Article 42 one-half cent sales taxes;
- 21.74% of Article 46 one-quarter cent sales tax dedicated to support Durham Public School related debt service
- The county's share of the occupancy tax;
- Countywide property taxes;

These revenues are shown in the middle table of the capital financing plan model along with several other smaller revenue sources, including transfers from other funds, and lease payments. In the corresponding table, the major groups of revenue are “Fund Balance Appropriated” (available dollars unspent from previous years), “Non Property Tax Revenue” (a selection of various small revenue sources), “Occupancy Tax” (collected from hotel stays in Durham County), “Property Tax Revenue” (based off of a dedicated CIP related property tax rate), and “Sales Tax Revenue” (Article 40, 42, and 46 sales tax noted above).

Several changes to available “Non Property Tax Revenue” sources have occurred since the last CIP update. Reductions in available funds from the Community Health Trust Fund happened over the last several fiscal years due to contractual agreements with Duke Hospital, while potential available Lottery Funds that were used for Durham Public School debt service have been reallocated directly to DPS for their smaller capital needs. Higher than expected growth in dedicated sales tax, occupancy tax, and property valuation helped offset these lost revenue sources.

The line graph of the capital financing plan model shows the amount of property tax which would be needed to fully support current and new debt related to the CIP. The property tax rate needed to support the CIP creates the “Property Tax Revenue” shown in the second table. This “dedicated” property tax can and will change as future estimates for other revenues change.

In developing a model that extends out ten years, several assumptions were made. Estimates as to how much newly incurred debt would cost on a yearly basis were developed with the help of the County’s outside financial consultants and the Finance department. Estimates on expected revenue collection were based on trends over the last ten years, assessment of present and future local economic variables, and known countywide revaluation years.

The amount of property tax “dedicated” to the capital improvement plan financing will change in future years as assumptions about debt costs, amount of debt, and amount and types of revenues become known. As has been stated before, this is a plan, and is therefore subject to change.

The final table shown in the Capital Financing Plan are annual future year estimates of available fund balance (savings, a revenue source) related to capital project support or project related debt service. Per stricter bond rating rules the County carries significantly more fund balance than it has in past decades, but these funds are also available to use over the course of the next ten years to lessen the variability of the property tax rate revenue needed in any one year. This can be seen in the second table where “Fund Balance Appropriated” is used in certain years. Correspondingly the amount of available fund balance (three different funds) fluctuates in any one year.

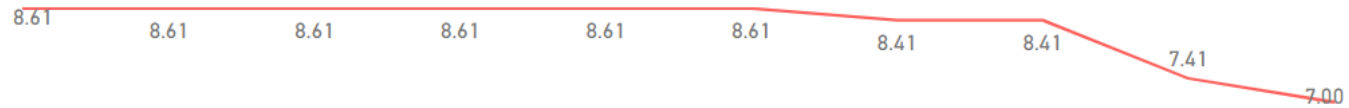
Durham County FY 2020-29 Capital Improvement Plan Annual Debt Service Payment Amounts and Related Revenue Support

CFP Debt Type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Known Debt	\$60,443,671	\$58,365,808	\$55,987,770	\$46,341,921	\$42,654,647	\$41,108,198	\$39,825,561	\$36,432,762	\$31,671,300	\$30,311,850	\$443,143,486
New Debt	\$2,695,926	\$11,109,546	\$32,553,837	\$34,534,860	\$40,814,940	\$46,099,503	\$49,664,465	\$54,582,111	\$57,000,672	\$59,083,475	\$388,139,333
New PAYGO	\$16,739,452	\$8,348,396	\$10,587,835	\$10,157,549	\$3,177,284	\$5,283,337	\$3,688,849	\$2,400,385	\$5,145,011	\$2,770,597	\$68,298,694
Other Known Costs	\$924,958	\$9,958	\$9,958	\$7,648	\$0	\$0	\$0	\$0	\$0	\$0	\$952,524
Total	\$80,804,006	\$77,833,708	\$99,139,400	\$91,041,978	\$86,646,871	\$92,491,037	\$93,178,875	\$93,415,258	\$93,816,983	\$92,165,922	\$900,534,037

Additional Capacity	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Reserve for Future Purchases	\$0	\$3,035,626	\$0	\$0	\$2,932,384	\$0	\$0	\$1,092,339	\$495,207	\$1,799,898

CFP Revenue Type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Fund Balance Appropriated	\$1,224,549	\$0	\$16,516,880	\$6,611,211	\$0	\$973,565	\$694,277	\$0	\$0	\$0	\$26,020,482
Non Property Tax Revenue	\$2,173,545	\$2,066,582	\$2,034,988	\$2,013,376	\$1,991,336	\$1,956,411	\$1,921,036	\$1,885,647	\$1,849,356	\$1,747,347	\$19,639,625
Occupancy Tax	\$4,556,053	\$4,323,360	\$4,438,061	\$4,556,203	\$4,677,889	\$4,803,225	\$4,932,322	\$5,065,292	\$5,202,251	\$5,343,318	\$47,897,973
Property Tax Revenue	\$37,064,199	\$37,620,162	\$38,184,464	\$38,757,231	\$42,632,954	\$43,272,448	\$42,901,290	\$43,544,810	\$42,203,775	\$40,466,643	\$406,647,977
Sales Tax Revenue	\$35,785,660	\$36,859,230	\$37,965,007	\$39,103,957	\$40,277,076	\$41,485,388	\$42,729,950	\$44,011,848	\$45,056,808	\$46,408,512	\$409,683,434
Total	\$80,804,006	\$80,869,334	\$99,139,400	\$91,041,978	\$89,579,255	\$92,491,037	\$93,178,875	\$94,507,597	\$94,312,190	\$93,965,820	\$909,889,491

Annual Property Tax Rate Needed (Cents)

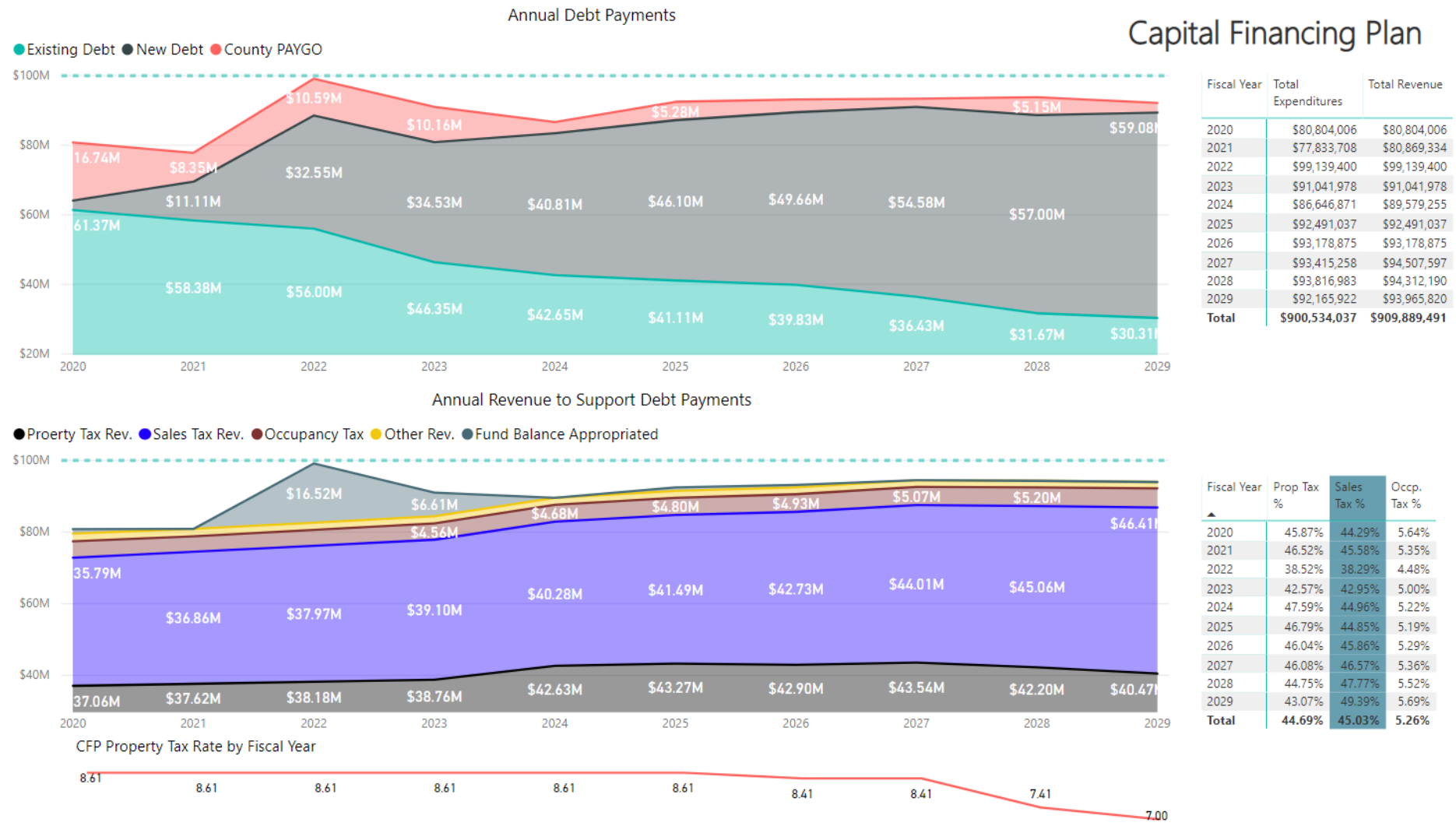


Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
103 (SWAP Fund) Cash Flow	\$14,400,051	\$15,150,051	\$12,314,127	\$11,688,772	\$11,938,772	\$11,938,772	\$11,938,772	\$11,938,772	\$11,938,772	\$11,938,772
125 (Capital Financing Fund) Cash Flow	\$11,848,265	\$12,348,265	\$12,848,265	\$11,781,588	\$12,281,588	\$12,781,588	\$13,281,588	\$13,781,588	\$14,281,588	\$14,781,588
304 (Debt Service Fund) Cash Flow	\$20,035,831	\$23,071,457	\$9,890,501	\$5,971,322	\$8,903,706	\$7,930,141	\$7,235,864	\$8,328,203	\$8,823,410	\$10,623,308
Total	\$46,284,147	\$50,569,773	\$35,052,893	\$29,441,682	\$33,124,066	\$32,650,501	\$32,456,224	\$34,048,563	\$35,043,770	\$37,343,668

**Capital
Financing
Plan**

The below graphs show the Capital Finance Plan in a more visual technique, with the top chart showing the total amount of existing and new debt layered on top of each other, along with annual County PAYGO support to show the total estimated annual debt payments. While the table to the right of the graph shows the total annual expenditures (annual debt payments compared to the estimated revenue collected in that year).

The second graph shows the various revenue sources (stacked) used to support the annual debt payments. The bottom right table shows the percentage of property tax revenue out of all revenues supporting annual debt payments and also shows the same thing for sales tax (highlighted in green). The important thing to note here is that sales tax revenue is largely dependent on the economy (consumer spending), if that changes significantly downward the lost revenue would have to be made up by other revenue sources (most likely property tax).



DURHAM COUNTY POLICY ON FINANCING CAPITAL PROJECTS

Durham County recognizes the goal of the capital financing policy is to provide for the adequate funding of the county's capital program while avoiding erratic increases or decreases in the county's property tax rate. Thus, a capital financing plan for the payment of debt related to projects financed by long-term borrowing shall be updated annually.

The county currently dedicates the following revenues to the payment of debt and capital projects:

Article 40 and Article 42 one-half cent sales taxes;
21.74% of Article 46 one-quarter cent sales tax for Durham Public School related debt service
The county's share of the occupancy tax;
Countywide property taxes;
Enterprise revenues.

The county reserves up to twenty percent (20%) of these annually dedicated revenues for pay-as-you-go projects. In addition, the pay-as-you-go policy restricts dedicated property tax revenue to 20% of a maximum of five cents (One cent total) in countywide property taxes.

Investment earnings on unexpended debt proceeds shall be restricted to the payment of debt. Investment earnings on amounts restricted for the payment of debt and pay-as-you-go funds shall bear the same restrictions as the principal amounts generating these investment earnings.

Excess funds, if available, within the debt service fund may be used to provide advance funding for capital projects pending bond sale or loans to the equipment leasing fund. Such advances or loans would be repaid with interest based on the monthly yield of the North Carolina Cash Management Trust short-term investment fund.

This policy applies to the governing board and administration of the county and may be revised from time to time by the governing board, as it deems appropriate to meet the changing needs of the county for capital financing.

Debt Service

Current Debt Service

A bond referendum held in November 2016 was approved by voters, giving the County the authority to issue general obligation bonds in an aggregate principal amount not to exceed \$170,000,000 to finance the construction of selected capital projects.

2016 Bond Referendum

<i>Durham Public Schools</i>	<i>\$90,000,000</i>
<i>Durham Technical Community College</i>	<i>\$20,000,000</i>
<i>NC Museum of Life & Science</i>	<i>\$14,067,705</i>
<i>Main Library Renovations</i>	<i>\$44,297,262</i>
<i>Issuance Costs</i>	<i>\$1,635,033</i>
Total	\$170,000,000

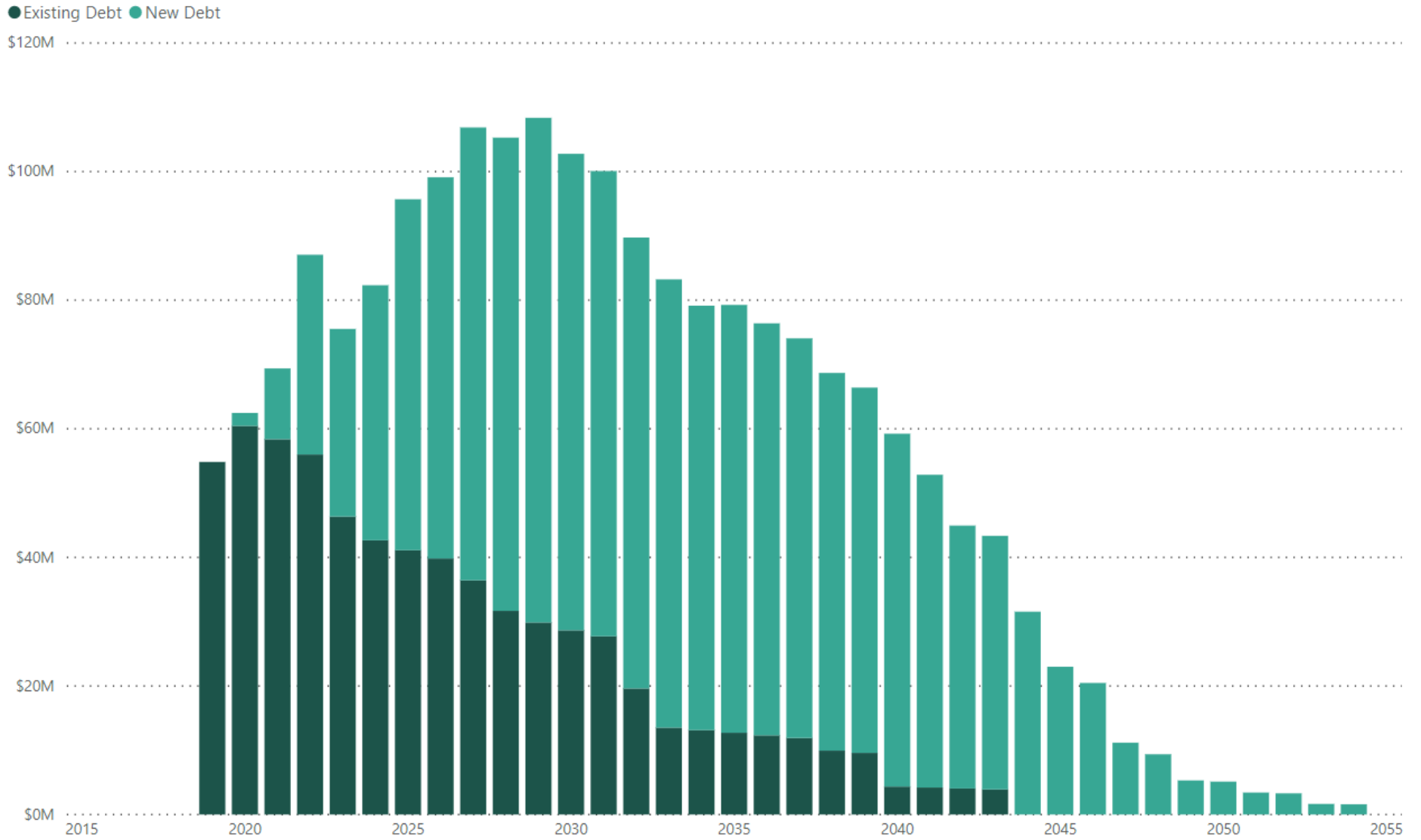
Limited short-term borrowing (BANS) has been and will continue to be used with an actual GO Bond issuance every two to three years paying off any short-term borrowing debt. Approximately \$50 million of the authorized GO Bonds amount was issued in FY 2018-19 with short term borrowing covering the difference between FY 2016-17 and FY 2017-18. Using short term borrowing (BANS) allows for a more accurate issuance amount than has been available in the past. Issuance of the rest of the 2016 voter approved GO Bonds (approximately \$120 million) is expected to occur in FY 2020-21.

New Debt Service

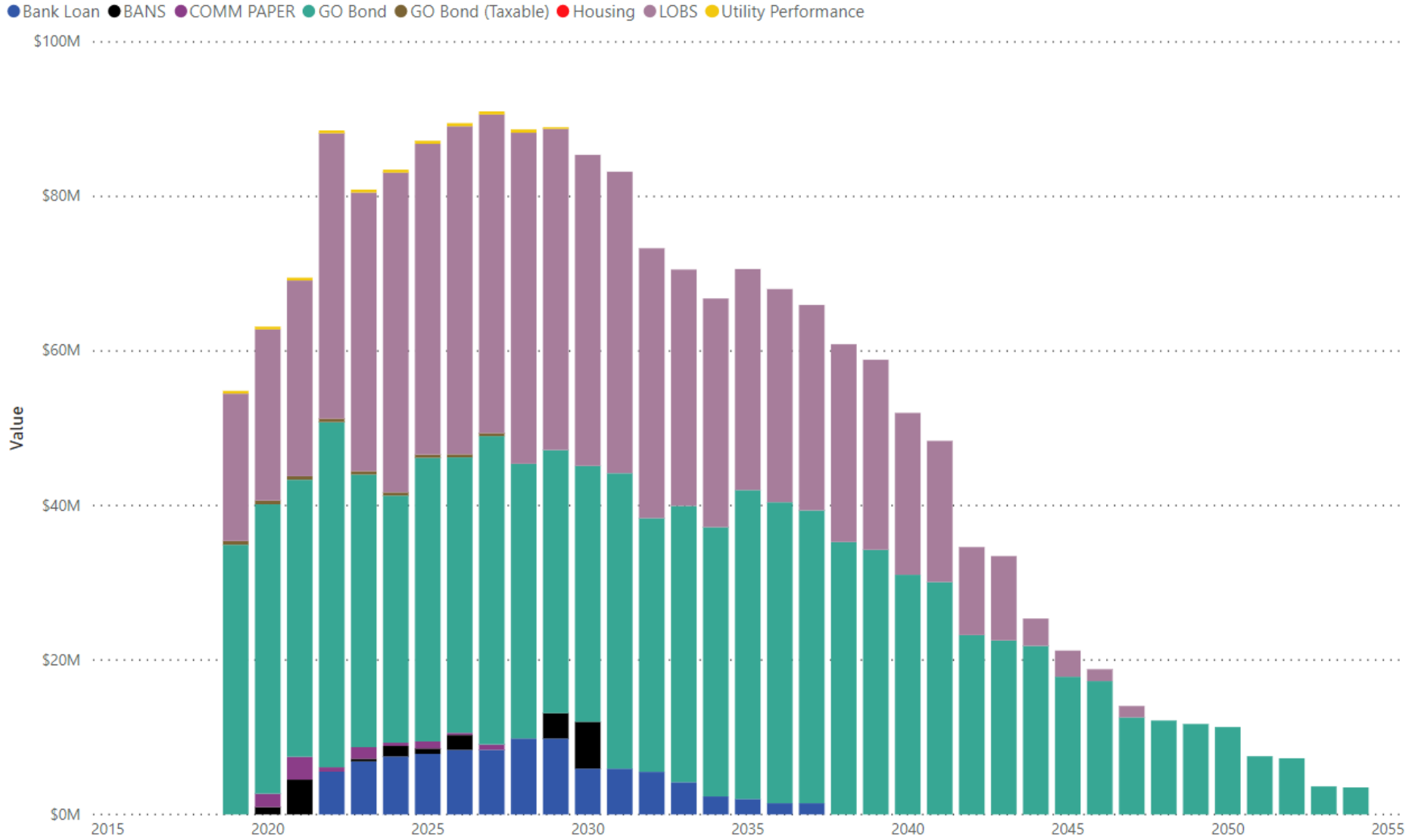
A significant change from the previous CIP is the inclusion of a planned \$149 million GO Bond referendum in FY 2022-23 and a planned \$202 million GO Bond referendum in FY 2028-29. Four major projects, 1) additional funding for a new Northern High School at \$50 million, 2) two new downtown parking decks with affordable housing at \$55.7 million, 3) a pump station at Snow Hill Road at \$12.7 million, and a new Youth Home at \$17 million are expected to be supported by Limited Obligation Bonds (LOBS) financing starting in FY 2020-21. A new Public Safety Complex will be built over most of the CIP's 10 year span, at a cost of approximately \$75 million, using LOBS funding.

Comments: North Carolina law limits local government net debt to 8% of assessed value. Based on current valuations, the county could issue \$2.66 billion in debt. At this writing, the county has \$259 million in outstanding general obligation debt. An additional \$192.7 million in Limited Obligation Bond debt and \$70.3 million of installment purchases (short term debt) is not included in this legal limit.

Annual Payments by Existing and New Debt



Annual Payments by Debt Type



GOAL 1: COMMUNITY EMPOWERMENT AND ENRICHMENT

Provide access to educational, vocational, economic and cultural opportunities while empowering citizens to choose pathways for their own success.



Durham Public Schools

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction		\$5,000,000	\$5,000,000		\$15,000,000	\$35,000,000	\$35,000,000	\$35,000,000			\$150,000,000	\$280,000,000
Other	\$79,118,845	\$29,253,655	\$21,627,500									\$130,000,000
Total	\$79,118,845	\$34,253,655	\$26,627,500		\$15,000,000	\$35,000,000	\$35,000,000	\$35,000,000			\$150,000,000	\$410,000,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds	\$90,000,000				\$120,000,000						\$150,000,000	\$360,000,000
Limited Obligation Bonds		\$50,000,000										\$50,000,000
Total	\$90,000,000	\$50,000,000			\$120,000,000						\$150,000,000	\$410,000,000

Project Description

*The Current Durham Public Schools Long Range Facility Assessment recognizes the need for significant additional funding for Northern High School and potential time frame changes related to a new Elementary School project. Discussions between DPS and the County around these two projects is continuing.

Funding planned for FY 2019-20 is dedicated for Northern High School completion as well as \$10 million to support ongoing existing building capital needs throughout the system. With a General Obligation Bond referendum planned for November 2022, Durham Public Schools would get an additional \$120 million for various new and existing capital needs. Funding amounts available for various capital projects are limited by the County's financial standing with rating agencies and prudent support of long term debt service payments. An additional General Obligation Bond referendum is planned for FY 2028-29 in this version of the County's Capital Improvement Plan (CIP).

Durham Technical Community College

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$1,500,000	\$300,000	\$50,000	\$50,000	\$1,000,000	\$1,800,000	\$900,000	\$250,000				\$5,850,000
Construction	\$11,000,000	\$7,000,000	\$900,000	\$2,600,000		\$6,000,000	\$5,000,000	\$2,500,000			\$20,000,000	\$55,000,000
Other			\$600,000		\$4,000,000							\$4,600,000
Contingencies						\$550,000	\$0					\$550,000
Total	\$12,500,000	\$7,300,000	\$1,550,000	\$2,650,000	\$5,000,000	\$8,350,000	\$5,900,000	\$2,750,000			\$20,000,000	\$66,000,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$4,000,000											\$4,000,000
General Obligation Bonds	\$20,000,000				\$22,000,000						\$20,000,000	\$62,000,000
Total	\$24,000,000				\$22,000,000						\$20,000,000	\$66,000,000

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel						\$85,000	\$89,250	\$93,713	\$98,398	\$103,318	\$108,484	\$578,163
Utilities						\$80,000	\$82,400	\$84,872	\$87,418	\$90,041	\$92,742	\$517,473
Total						\$165,000	\$171,650	\$178,585	\$185,816	\$193,359	\$201,226	\$1,095,635

Project Description

DTCC requested \$56.7 million over the 10-year CIP period, with \$52 million requested in the first five years. This project will include the following components: An 80,000 square foot building to house the college's health technology programs that will provide updated, modernized, and larger spaces including simulation labs to meet workforce requirements. The healthcare facilities in our region face significant shortages in key personnel including medical assistants, nursing assistants, nurses, pharmacy technicians, etc. They cannot adequately staff these positions without Durham Tech contributing to that employment pipeline. Currently, space limitations prohibit DTCC from expanding program enrollment and enhancing training in ways to meet the demands of our healthcare partners. A new building will provide updated, modernized, and larger spaces needed to meet the workforce requirements of our partners. DTCC healthcare programs need to be consolidated into one location to allow students to realize career pathways that carry them from living to comfortable wages; from job to upward mobility along a career ladder.

NC Museum of Life & Science - Audacity Labs

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction											\$1,288,801	\$1,288,801
Total											\$1,288,801	\$1,288,801

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$1,288,801	\$1,288,801
Total											\$1,288,801	\$1,288,801

Project Description

Building on the museum's current partnership with Duke University, American Underground, and ReCity Network, the next step in science learning for our community is to leverage the museum's existing outreach and partnerships and build a full-time community presence for teens. This project envisions this space as offering opportunities for programming from the intersection of art and science, coding or entrepreneurship, emerging technologies and community conversations with scientists on new issues. The plan is to acquire a 2,400 square foot space, either through lease or through partnership, and upfit for science programming.

NC Museum of Life & Science - Auditorium and Amphitheater

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction											\$1,288,801	\$1,288,801
Total											\$1,288,801	\$1,288,801

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$951,898	\$951,898
Total											\$951,898	\$951,898

Project Description

With retractable theater seating for up to 125 people in the MMR auditorium, the Museum can bring film, speakers and digital interaction to its audience. Technology investment for the modernization of the audio visual system will support Museum programs and corporate meetings. The project will also build a 30-person outdoor amphitheater to support field trip nature-based learning programs.

NC Museum of Life & Science - Classrooms (Woodland 4 and Classroom Upfit)

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction											\$2,202,587	\$2,202,587
Total											\$2,202,587	\$2,202,587

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$2,202,587	\$2,202,587
Total											\$2,202,587	\$2,202,587

Project Description

This project adds the final classroom in the Woodland campus to support demand for camps, classes, workshops and meeting space. It also upfits one of the main Museum labs to support community learning objectives.

NC Museum of Life & Science - Create, Reinvent, Renew Exhibit Experiences

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction											\$2,202,587	\$2,202,587
Total											\$2,202,587	\$2,202,587

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$2,202,587	\$2,202,587
Total											\$2,202,587	\$2,202,587

Project Description

This project addresses critical maintenance and lifecycle replacement needs for the Museum's extensive campus. The two largest renovations - Explore the Wild and Butterfly House - are \$5M and \$4.3M respectively. Explore the Wild (2006) requires refurbishment of its outdoor animal exhibits and creation of a new animal exhibit to deliver important conservation and visitor engagement objectives. The Butterfly House (1998) has benefited from ongoing preventative maintenance and care but will need extensive renovation in this timeframe. Other outdoor exhibit needs include Dinosaur Trail (2009), the addition of a 'geology cave" to Earth Moves, Farmyard updates on structures and support systems and continued exhibit infusions to refresh outdoor spaces. The project also includes a complete renewal of the 4,000 sq. ft. current aerospace exhibit area.

NC Museum of Life & Science - Exhibition Renovations

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning					\$21,000	\$51,800	\$59,200	\$43,200	\$8,800			\$184,000
Construction						\$550,000	\$516,800	\$395,000	\$177,200			\$1,639,000
Equip/Furnishings					\$423,000	\$1,197,000	\$701,200	\$1,710,000	\$438,800			\$4,470,000
Contingencies						\$221,000	\$107,340	\$291,600	\$87,060			\$707,000
Total					\$444,000	\$2,019,800	\$1,384,540	\$2,439,800	\$711,860			\$7,000,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds					\$7,000,000							\$7,000,000
Total					\$7,000,000							\$7,000,000

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Minus Savings										(\$5,000)	(\$5,000)	(\$10,000)
Minus New Revenues										(\$290,000)	(\$290,000)	(\$580,000)
Total										(\$295,000)	(\$295,000)	(\$590,000)

Project Description

Renewal and new experiences for about 9,500 square feet of existing indoor exhibit space and outdoor learning environments. The largest project in this work is to move the weather exhibit into the larger volume of space in Carolina Wildlife, and to take more of the animal exhibits to outdoor environments in alignment with animal care best practices. The walk-through space of the current weather exhibit will house new experiences in data and phenomena while increasing the traffic capacity of this space. This project will expand the popular Launch Lab footprint with new experiences in lift, flight and engineering. Outdoor projects will continue to maintain and expand the environmental sciences experiences in Explore the Wild and the new Wind, Water and Rock exhibit. The Museum will research exhibit topics from emerging technology to critical thinking across many disciplines to maintain our standard of excellence in learning for the Durham community.

NC Museum of Life & Science - Infrastructure #2 (Operations, Landscape, Sustainability)

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction											\$2,123,021	\$2,123,021
Total											\$2,123,021	\$2,123,021

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$2,123,021	\$2,123,021
Total											\$2,123,021	\$2,123,021

Project Description

This project completes a 4,450 sq. ft. upfit of staff and work spaces for our facilities and exhibits functions. The Operations Center consolidates Outdoor Learning Environments, Facilities, and some Exhibits staff under one roof to maximize the effectiveness of this cross-functional group. A new exhibit fabrication and repair shop is created to keep up with our growing campus needs and provide adequate laydown space not currently available in the main Museum location. This project also continues work in landscape environments and sustainability (green) initiatives across campus.

NC Museum of Life & Science - Infrastructure (Operations, Landscape, Sustainability)

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction											\$1,444,873	\$1,444,873
Total											\$1,444,873	\$1,444,873

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$1,444,873	\$1,444,873
Total											\$1,444,873	\$1,444,873

Project Description

This project adds storage and functionality to onsite operations center and addresses landscaping by removing invasive plants and establishing more native species across the 84-acre campus. It also continues work on sustainability through green initiatives from LED lighting to water saving measures.

NC Museum of Life & Science - Infrastructure (Visitor Amenities)

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning											\$383,317	\$383,317
Construction											\$3,542,354	\$3,542,354
Equip/Furnishings											\$998,977	\$998,977
Contingencies											\$432,040	\$432,040
Total											\$5,356,689	\$5,356,689

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$5,356,689	\$5,356,689
Total											\$5,356,689	\$5,356,689

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel											\$61,749	\$61,749
Utilities											\$597	\$597
Operating Costs											\$2,388	\$2,388
Minus New Revenues											(\$81,149)	(\$81,149)
Total											(\$16,415)	(\$16,415)

Project Description

This project contains priorities for guest-serving infrastructure – an excellent entry experience that can expedite families as well as groups, expanded food service to meet the needs of visitors who are visiting the Museum for many hours up to a full day and a “people mover” to ensure accessibility to the outdoor campus. This redesigned entry experience moves the ticketing function to the plaza and allows multiple streams of entry into the main building or directly into outdoor experiences. The 20-year old food service area is under-sized, under significant pressure and is a crucial visitor amenity to support longer stay times at the Museum. The plan is to renovate and expand the commercial kitchen and indoor café space as well as expanding and providing weather protection for outdoor dining space. A people mover tram and dedicated lanes expands our campus for visitors of different abilities. With a loop from the visitor plaza to the northern-most part of campus, the museum can open these important experiences for all ages and abilities. Having researched the various options for campus accessibility, this project envisions widening our current paths to enable a dedicated lane that does not conflict with visitor pathways.

GOAL 2: HEALTH AND WELL-BEING FOR ALL

Improve the quality of life across the lifespan through protecting the health of community, reducing barriers to access services and ensuring a network of integrated health and human services available to people in need.



Bragtown Library Improvements

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$55,125											\$55,125
Construction					\$400,000							\$400,000
Equip/Furnishings					\$300,000							\$300,000
Contingencies					\$200,000							\$200,000
Total	\$55,125				\$900,000							\$955,125

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$55,125				\$900,000							\$955,125
Total	\$55,125				\$900,000							\$955,125

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel					\$285,000	\$294,975	\$305,299	\$315,985	\$327,044	\$338,491	\$350,338	\$2,217,131
Total					\$285,000	\$294,975	\$305,299	\$315,985	\$327,044	\$338,491	\$350,338	\$2,217,131

Project Description

When looking at needs of Bragtown Library it's important to understand the history of this landmark facility. Bragtown Library was founded as a branch of the African-American Stanford L. Warren Library to serve Northeast Durham. The dream of locating a library in the community became a reality because of the hard work of Bragtown community leaders and the Stanford L. Warren Library Board. As the plans came together for the new facility, the library was temporarily housed in a store while the steering committee raised funds by hosting fish fries and bake sales. On July 21, 1961, the land at Ruth Street and Dearborn Drive was deeded to the Durham Colored Library. Bragtown Branch Library opened, and was dedicated, on March 11, 1962. In April of 1966, the Durham Colored Library merged with the Durham City-County Public Library, and Bragtown became part of the new Durham County Library system. Preservation Durham has identified Bragtown Library as a site of historic significance in Durham's African-American history.

Southwest Library Parking Upgrade

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction											\$2,000,000	\$2,000,000
Total											\$2,000,000	\$2,000,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
General Obligation Bonds											\$2,000,000	\$2,000,000
Total											\$2,000,000	\$2,000,000

Project Description

Southwest Regional Library continues to be one of the library system's busiest locations with a high volume of customers visiting and using its resources each year. Southwest parking is the largest complaint of the entire library system and this has been the case since it re-opened in 2010. A study was conducted with Engineering and City Planning some three to four years ago to address the parking issues. However due to zoning issues the cost to obtain twenty or so parking spaces was not cost efficient.

Stanford L. Warren Library Water Intrusion Repair

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction	\$367,500		\$500,000									\$867,500
Planning	\$50,000	\$500,000										\$550,000
Land Acquisition	\$420,000											\$420,000
Other	\$52,500											\$52,500
Contingencies	\$52,500											\$52,500
Total	\$942,500	\$500,000	\$500,000									\$1,942,500

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$942,500	\$500,000	\$500,000									\$1,942,500
Total	\$942,500	\$500,000	\$500,000									\$1,942,500

Project Description

Funding for this project is being requested to address longstanding water intrusion issues within the facility. Geotechnical evaluations and indoor air quality assessments are being performed to identify the depth and source of the groundwater infiltrating the facility and to ensure the safety of the staff and citizens occupying/using the facility. Reports and assessments will confirm the level of construction required to mitigate this issue. Despite that, it is anticipated that a waterproofing engineer/consultant will be engaged to prepare plans and specifications suitable for bidding the project in order to get the appropriate contractors/experts on board to address this issue.

GOAL 3: SAFE COMMUNITY

Partner with stakeholders to prevent and address unsafe conditions, protect life and property, respond to emergencies and ensure accessible and fair justice.



Emergency Medical Services - Duke West (New 2 Bay Station)

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning						\$285,701						\$285,701
Land Acquisition	\$0		\$337,080									\$337,080
Construction							\$2,380,842					\$2,380,842
Equip/Furnishings								\$75,182				\$75,182
Total	\$0		\$337,080			\$285,701	\$2,380,842	\$75,182				\$3,078,805

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$0		\$337,080			\$285,701		\$75,182				\$697,963
Limited Obligation Bonds							\$2,380,842					\$2,380,842
Total	\$0		\$337,080			\$285,701	\$2,380,842	\$75,182				\$3,078,805

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Utilities								\$8,000	\$8,400	\$8,820	\$9,261	\$34,481
Total								\$8,000	\$8,400	\$8,820	\$9,261	\$34,481

Project Description

This request aligns our request for new stations with the development patters realized throughout Durham County over the past few years, as well as times them with cost-saving co-location opportunities.

The proposed plan and scope reduces the request programmed within the previous CIP. This is due to several reasons, but primarily driven by a realization in the aggressiveness in terms of the number of stations and the cost previously proposed. The goal of this ask it to provide for sufficient coverage of the EMS system, while recognizing the limitations of funding and our ability to manage that big of a system fixed infrastructure expansion. Meeting the community level of service needs will require operational management changes, an adaptive deployment model, as well as the siting of fixed stations. This plan tries to achieve balance between those approaches rather than relying on station construction to meet future needs.

Emergency Medical Services - Equipment Replacement

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings		\$2,700,000	\$1,650,000				\$2,835,000			\$1,732,500		\$8,917,500
Total		\$2,700,000	\$1,650,000				\$2,835,000			\$1,732,500		\$8,917,500

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$2,700,000	\$1,650,000				\$2,835,000			\$1,732,500		\$8,917,500
Total		\$2,700,000	\$1,650,000				\$2,835,000			\$1,732,500		\$8,917,500

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Operating Costs		\$4,600	\$5,520	\$5,520	\$5,520	\$5,520	\$5,520	\$6,624	\$6,624	\$6,624	\$6,624	\$58,696
Total		\$4,600	\$5,520	\$5,520	\$5,520	\$5,520	\$5,520	\$6,624	\$6,624	\$6,624	\$6,624	\$58,696

Project Description

In FY 2014-15 Durham EMS replaced all of the existing cardiac monitors currently owned by the County. The monitors were purchased with a five-year warranty that last for the life cycle of the monitor. In Fiscal Year 2019-20 the current monitors will need to be replaced with a onetime purchase in a CIP project. Complete replacement of the County fleet of monitors would cost approximately 30% less than replacing the entire fleet at retail cost over the next five years (no discounts on small purchases). This is an industry standard and a replacement cycle that is consistent across manufactures.

This request amends the scope of the project by also requesting the regular, planned replacement of EMS stretchers. Likewise, the anticipated lifespan of stretchers is approximately seven years. This is consistent with field experience and observations, since we have seen many more stretchers out of services and requiring additional repairs as they age. Additionally, all agency stretchers would require replacement at the same time, to ensure consistency with

Emergency Medical Services - Far East Durham County (New 2 Bay Station)

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning						\$285,701						\$285,701
Land Acquisition	\$0		\$337,080									\$337,080
Construction							\$2,380,842					\$2,380,842
Equip/Furnishings								\$75,182				\$75,182
Total	\$0		\$337,080			\$285,701	\$2,380,842	\$75,182				\$3,078,805

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$0		\$337,080			\$285,701		\$75,182				\$697,963
Limited Obligation Bonds							\$2,380,842					\$2,380,842
Total	\$0		\$337,080			\$285,701	\$2,380,842	\$75,182				\$3,078,805

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Utilities										\$9,000	\$9,450	\$18,450
Total										\$9,000	\$9,450	\$18,450

Project Description

This request aligns our request for new stations with the development patters realized throughout Durham County over the past few years, as well as times them with cost-saving co-location opportunities.

The proposed plan and scope reduces the request programmed within the previous CIP. This is due to several reasons, but primarily driven by a realization in the aggressiveness in terms of the number of stations and the cost previously proposed. The goal of this ask it to provide for sufficient coverage of the EMS system, while recognizing the limitations of funding and our ability to manage that big of a system fixed infrastructure expansion. Meeting the community level of service needs will require operational management changes, an adaptive deployment model, as well as the siting of fixed stations. This plan tries to achieve balance between those approaches rather than relying on station construction to meet future needs.

Emergency Medical Services - MLK Blvd (New 4 Bay Station)

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning					\$334,423							\$334,423
Land Acquisition	\$240,000	\$18,000										\$258,000
Construction						\$2,786,855						\$2,786,855
Equip/Furnishings							\$70,926					\$70,926
Total	\$240,000	\$18,000			\$334,423	\$2,786,855	\$70,926					\$3,450,203

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$240,000	\$18,000			\$334,423		\$70,926					\$663,349
Limited Obligation Bonds						\$2,786,855						\$2,786,855
Total	\$240,000	\$18,000			\$334,423	\$2,786,855	\$70,926					\$3,450,203

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Utilities							\$8,000	\$8,400	\$8,820	\$9,261	\$9,724	\$44,205
Total							\$8,000	\$8,400	\$8,820	\$9,261	\$9,724	\$44,205

Project Description

This request aligns our request for new stations with the development patters realized throughout Durham County over the past few years, as well as times them with cost-saving co-location opportunities.

The proposed plan and scope reduces the request programmed within the previous CIP. This is due to several reasons, but primarily driven by a realization in the aggressiveness in terms of the number of stations and the cost previously proposed. The goal of this ask it to provide for sufficient coverage of the EMS system, while recognizing the limitations of funding and our ability to manage that big of a system fixed infrastructure expansion. Meeting the community level of service needs will require operational management changes, an adaptive deployment model, as well as the siting of fixed stations. This plan tries to achieve balance between those approaches rather than relying on station construction to meet future needs.

Emergency Medical Services - Renovation of Station #1

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$890,000											\$890,000
Construction	\$808,499	\$2,424,509										\$3,233,008
Equip/Furnishings			\$26,500									\$26,500
Total	\$1,698,499	\$2,424,509	\$26,500									\$4,149,508

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$808,499		\$26,500									\$834,999
Two Thirds Bonds	\$350,000											\$350,000
Limited Obligation Bonds	\$540,000	\$2,424,509										\$2,964,509
Total	\$1,698,499	\$2,424,509	\$26,500									\$4,149,508

Project Description

This project located at 402 Stadium Drive will replace the existing 38 year old EMS Station with a new 9,100 sq. ft. facility. The previous station was built specifically as an EMS facility and houses one 24 hour ambulance, three peak ambulances and (2) EMS supervisors as well as a portion of the EMS management staff. In addition to the need to no longer have administrative/management staff at this location the current bay dimensions due not allow for access of the MERV and other newer vehicles into the facility. Due to age of the structure, deterioration and needed upgrades to the roofing, exterior walls, and all plumbing, mechanical and electrical systems, cost comparisons deemed it more appropriate to demolish the existing structure and construct a new facility on the existing site. The facility will have a new double (4) bay truck component along with spaces adequate for office and crew support that aligns with the long-range plan for EMS operations. Site work including storm drainage and replacement of all asphalt/concrete parking and driveway surfaces is included. A new emergency generator will also be installed to support the entire facility. The project will is anticipated to be advertised for bids in May 2019 with a construction commencement slated for August 2019.

Emergency Medical Services - Station 18 Co-location

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction			\$1,590,000									\$1,590,000
Equip/Furnishings			\$84,270									\$84,270
Total			\$1,674,270									\$1,674,270

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Limited Obligation Bonds			\$1,674,270									\$1,674,270
Total			\$1,674,270									\$1,674,270

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Operating Costs			\$12,000	\$12,600	\$13,230	\$13,892	\$14,586	\$15,315	\$16,081	\$16,885	\$17,729	\$132,319
Total			\$12,000	\$12,600	\$13,230	\$13,892	\$14,586	\$15,315	\$16,081	\$16,885	\$17,729	\$132,319

Project Description

This request aligns EMS request for new stations with the development patters realized throughout Durham County over the past few years, as well as timing them with cost-saving co-location opportunities. During the planning period, Fire Station 19 and 20 colocations with the City of Durham are expected.

The proposed plan and scope reduces the request programmed within the previous CIP. This is due to several reasons, but primarily driven by a realization in the aggressiveness in terms of the number of stations and the cost previously proposed. The goal of this project to provide for sufficient coverage of the EMS system, while recognizing the limitations of funding and our ability to manage that big of a system fixed infrastructure expansion. Meeting the community level of service needs will require operational management changes, an adaptive deployment model, as well as the siting of fixed stations. This plan tries to achieve balance between those approaches rather than relying on station construction to meet future needs.

Emergency Medical Services - Station 19 Co-location

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Land Acquisition		\$734,580										\$734,580
Construction					\$1,767,468							\$1,767,468
Equip/Furnishings						\$66,911						\$66,911
Other						\$133,823						\$133,823
Total		\$734,580			\$1,767,468	\$200,734						\$2,702,782

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$734,580			\$1,767,468	\$200,734						\$2,702,782
Total		\$734,580			\$1,767,468	\$200,734						\$2,702,782

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Operating Costs						\$14,000	\$14,700	\$15,435	\$16,207	\$17,017	\$17,868	\$95,227
Total						\$14,000	\$14,700	\$15,435	\$16,207	\$17,017	\$17,868	\$95,227

Project Description

This request aligns EMS request for new stations with the development patters realized throughout Durham County over the past few years, as well as timing them with cost-saving co-location opportunities. During the planning period, Fire Station 19 and 20 colocations with the City of Durham are expected.

The proposed plan and scope reduces the request programmed within the previous CIP. This is due to several reasons, but primarily driven by a realization in the aggressiveness in terms of the number of stations and the cost previously proposed. The goal of this project to provide for sufficient coverage of the EMS system, while recognizing the limitations of funding and our ability to manage that big of a system fixed infrastructure expansion. Meeting the community level of service needs will require operational management changes, an adaptive deployment model, as well as the siting of fixed stations. This plan tries to achieve balance between those approaches rather than relying on station construction to meet future needs.

Multi-Department Radio and Towers

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Land Acquisition		\$200,000										\$200,000
Construction			\$3,000,000									\$3,000,000
Equip/Furnishings	\$6,100,000								\$11,709,176			\$17,809,176
Contingencies			\$320,000									\$320,000
Total	\$6,100,000	\$200,000	\$3,320,000						\$11,709,176			\$21,329,176

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$200,000										\$200,000
Bank Financing	\$6,100,000		\$3,320,000						\$11,709,176			\$21,129,176
Total	\$6,100,000	\$200,000	\$3,320,000						\$11,709,176			\$21,329,176

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Utilities		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$50,000
Total		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$50,000

Project Description

This project is a two-part request to update and improve emergency communication infrastructure across Durham County. In Fiscal Year 2017-18 the last update to mobile handheld and truck mounted radio project was completed. This request continues the previously requested funding for the life cycle replacement of radios at the anticipated end of their serviceable lives. This project remains a collaborative effort by Durham County Sherriff, Fire Marshal, EMS, and Public School System (School's radios are accounted under the Fire Marshal). The update to this project does add an additional component to this funding request with the addition of another radio tower to be sited in northern Durham County. A specific site location will be determined at a later time; however, we do not anticipate a problem locating sufficient land to site this tower

New Youth Home

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning		\$1,770,833										\$1,770,833
Construction			\$17,001,161									\$17,001,161
Equip/Furnishings				\$375,170								\$375,170
Total		\$1,770,833	\$17,001,161	\$375,170								\$19,147,164

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$1,770,833		\$375,170								\$2,146,003
Limited Obligation Bonds	\$0		\$17,001,161									\$17,001,161
Total	\$0	\$1,770,833	\$17,001,161	\$375,170								\$19,147,164

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Utilities				\$71,710	\$73,861	\$76,077	\$78,359	\$80,710	\$83,132	\$85,625	\$88,194	\$637,669
Operating Costs				\$149,455	\$156,928	\$164,774	\$173,013	\$181,663	\$190,747	\$200,284	\$210,298	\$1,427,162
Total				\$221,165	\$230,789	\$240,851	\$251,372	\$262,374	\$273,878	\$285,909	\$298,492	\$2,064,831

Project Description

This project is to construct a new 36 bed Youth Home and Assessment Center. In FY 17/18 the Board approved funding to complete a master plan review of the site and environmental assessment of the property to determine the feasibility of a new facility on the existing site. Obrien /Atkins Association completed a Youth Home Program Study in conjunction with the Youth Home and Engineering and Environmental Services staffs in April 2018. The focus of the study was increasing the total number of beds in the facility from 14 beds to a total of 24 beds in addition to an Assessment Center as discussed in the planning committee vision report. Area functions, complete space program, operational needs, conceptual site plan and lay out on the existing site, and construction cost estimates for the facility size as programmed was also captured in the study.

It is important to note the program study only provided construction cost estimates for 24 beds and Assessment Center. However; conversation is ongoing on the potential need to increase bed capacity to 35-40 beds to accommodate growth. The Passage of the Juvenile Justice Reinvestment Act which increase the age of juvenile court jurisdiction to include crimes committed by 16 and 17year old's. After December 1, 2019 this population committing Class A-G felonies shall no longer be confined in adult detention facilities which creates the need for increased capacity at the Youth Home.

Public Safety and Service Complex*

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning		\$684,180	\$1,301,279		\$2,111,931		\$1,521,731					\$5,619,121
Construction			\$5,780,994	\$13,663,429		\$22,321,214		\$16,139,076				\$57,904,714
Equip/Furnishings					\$2,151,990		\$3,164,249		\$2,154,550			\$7,470,789
Other			\$108,056	\$273,268		\$443,506		\$319,563				\$1,144,393
Contingencies			\$270,140	\$683,171		\$1,108,763		\$798,909				\$2,860,983
Total		\$684,180	\$7,460,469	\$14,619,868	\$4,263,921	\$23,873,483	\$4,685,980	\$17,257,548	\$2,154,550			\$75,000,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$684,180										\$684,180
Limited Obligation Bonds			\$7,460,469	\$14,619,868	\$4,263,921	\$23,873,483	\$4,685,980	\$17,257,548	\$2,154,550			\$74,315,820
Total		\$684,180	\$7,460,469	\$14,619,868	\$4,263,921	\$23,873,483	\$4,685,980	\$17,257,548	\$2,154,550			\$75,000,000

Project Description

* This project is still developing scope and use. The proposed capital budget reflects a current amount of unknown possible directions, but largely reflects the current Board Of County Commissioner maximum amount of funding support related to the project.

The previous 2016 Durham County facility master plan study and subsequent studies of the Freudenberg Warehouse and Junction Road site study identified the need and feasibility for a Public Safety Service Center (PSSC) that could incorporate combined program elements for the Fire Marshal (FM), Emergency Operation Center (EOC), Sheriff's Office, Emergency Medical Service (EMS) and a Countywide vehicle fleet service center managed by General Services. Each County services function requires components consisting of office space, meeting and training space, parking, vehicle storage, and other operational and storage needs.

The Public Safety Service Center will support the current and future needs of the County's Public Safety function and General Services Fleet by developing co-location efficiencies and planning for a phased-in approach for construction. The concept includes renovating existing facilities for public safety purposes or building new public safety facilities as identified below. The project scope includes the vehicle storage component for FM/EM Storage and Sheriff/EMS reserve fleets, as a replacement for the current Freudenberg facility. Also included is a centralized vehicle maintenance component, including staff offices and vehicle service and storage elements, for servicing all County vehicles. A third component of the site includes a Fire Marshal/Emergency Management component, including the elements of staff offices, fitness room and an enlarged shower/locker room. In an effort to facilitate the training/recruitment needs of the Sheriff's Office, a shared multipurpose classroom, fitness room, and shower/locker rooms, a total of 6,370 SF, as part of the Fire Marshal/EOC Offices element has been included.

The proposed plan assumes the siting for the PSSC is at the County-owned Junction Road tract. Site improvement costs are included in the estimate for the planned facilities, in addition to the cost needed to run public utilities to the property. This plan represents a reduced-scope Public Safety Service Center concept in an effort to reduce the project cost by \$50 million.

Sheriff - Detention Center Annex Expansion

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Land Acquisition	\$0		\$0						\$4,000,000			\$4,000,000
Total	\$0		\$0						\$4,000,000			\$4,000,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Limited Obligation Bonds	\$0								\$4,000,000			\$4,000,000
Total	\$0								\$4,000,000			\$4,000,000

Project Description

This project includes consulting, planning, and construction of a secured detention facility to accommodate increased inmate population. The intention is to build a second facility located outside of downtown. Construction will include the necessary facilities and office space for detention personnel. Land acquisition would begin in FY 2026-27 with planning and construction beginning sometime later as inmate population dictates. The project would ensure adequate space to house inmates for the projected 2040 population.

Sheriff - Firing Range Upgrade

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning		\$557,608										\$557,608
Land Acquisition		\$200,000										\$200,000
Construction			\$5,854,890									\$5,854,890
Equip/Furnishings				\$922,145								\$922,145
Other			\$117,098									\$117,098
Contingencies			\$292,744									\$292,744
Total		\$757,608	\$6,264,732	\$922,145								\$7,944,486

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$757,608		\$922,145								\$1,679,753
Limited Obligation Bonds			\$6,264,732									\$6,264,732
Total		\$757,608	\$6,264,732	\$922,145								\$7,944,486

Project Description

This project constitutes an alternate venue for the firing range element of the Sheriff's Training component of the Public Safety Service Center, to be sited at the existing Electra Road site. The improvements to the firing range include re-grading and importing new fill for the existing range and installation of a drainage system, a rebuild of the concrete firing pads, new target-reveal systems, improved night lighting, the construction of new berms to create four new 180 degree firing venues, replacement of the existing covered shelter and construction of a conditioned, enclosed tower, a new PA system, paved parking area, and replacement of the rifle target structures and firing platforms. Additionally, a new building will be constructed which will include staff offices, two class/training rooms, lockers and showers and grounds maintenance garage/workshop. The two classrooms were added to the program to supplement the Sheriff's training and retention program.

GOAL 4: ENVIRONMENTAL STEWARDSHIP AND COMMUNITY PROSPERITY

Protect natural resources and support and promote community and economic vitality for all residents of Durham County.



300 and 500 Main Street Downtown Parking Decks

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning		\$3,699,920	\$1,648,080	\$963,200	\$725,200							\$7,036,400
Land Acquisition	\$250,000											\$250,000
Construction			\$14,616,000	\$19,488,000	\$14,616,000							\$48,720,000
Total	\$250,000	\$3,699,920	\$16,264,080	\$20,451,200	\$15,341,200							\$56,006,400

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$250,000											\$250,000
Limited Obligation Bonds		\$3,699,920	\$16,264,080	\$20,451,200	\$15,341,200	\$0						\$55,756,400
Total	\$250,000	\$3,699,920	\$16,264,080	\$20,451,200	\$15,341,200	\$0						\$56,006,400

Project Description

This project will provide a parking solution that will address the need for additional parking for the public and Durham County employees at the new Human Services Facility, Administration Building I, newly renovated Administration Building II, and the Main Library. The deck(s) are intended to be constructed on the 300 and 500 Blocks of East Main St. and will also meet the new demands created by the redevelopment of those (2) sites. The 300 and 500 Blocks of East Main St. are key sites located in the thriving downtown Durham market, an areas that has experienced transformative adaptive reuse and infill development since the early 2000's. In addition to providing a parking solution, the County intends to leverage these County-owned parcels, currently used as surface parking lots to increase residential and commercial density in the East Main Street corridor. The (2) new parking structures will also recognize incorporation of options for multiple modes of transportation and coordination with the City of Durham's Comprehensive Parking Plan. The Durham Board of County Commissioners strongly supports the redevelopment of these sites and its potential to transform downtown through the creation of additional market-rate and affordable housing units in a walkable, diverse, mixed-income and mixed use setting.

Alliance Behavioral Health Care Space Refurbishment at Human Services Complex

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$0	\$159,000										\$159,000
Construction	\$150,000	\$758,400										\$908,400
Total	\$150,000	\$917,400										\$1,067,400

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$150,000	\$917,400										\$1,067,400
Total	\$150,000	\$917,400										\$1,067,400

Project Description

The project involves renovating the former Alliance Behavioral Health Care and Veteran Service spaces located within the Human Service Facility. The existing Alliance behavioral space including the lobby will be subdivided to create two distinct spaces, one for Veteran Services and one for Childcare Services, each with their own secured access points. The space will also include an Environmental Health expansion. The existing Veteran Services space, once vacated, will be renovated to accommodate staffing needs for Alliance Behavioral Health. The total interior area to be renovated is 12,000 square feet. To the degree possible, the work will include utilizing the existing demountable wall partitions, interior workstations and some centralized conference rooms with AV capabilities similar to those of the original project. Completion of this project will also relocate Childcare Services from a leased space on Briggs avenue.

Development Finance Initiatives - Affordable Housing

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Other				\$4,600,000	\$3,900,000							\$8,500,000
Total				\$4,600,000	\$3,900,000							\$8,500,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$0			\$4,600,000	\$3,900,000							\$8,500,000
Total	\$0			\$4,600,000	\$3,900,000							\$8,500,000

Project Description

This project aligns with the BOCC's objective to support affordable housing. Conceptual Plan B endorsed by the Board of County Commissioners on November 13, 2018 as part of the 300 and 500 Block East Main St. Redevelopment requires \$8-9 million in public loans/grants for the affordable housing component. Plan B has a total of 437 residential units, 277 of which are restricted and affordable to households earning 30%-80% AMI. The 277 restricted and affordable units are estimated at approximately \$30,900 per unit. Development Finance Initiative estimates that units ranging in size from studio to 2-bedrooms that are affordable to households earning 80% AMI and below are in high demand; an additional 277 units in downtown will meet less than 3% of the existing demand for affordable housing. The redevelopment of these sites supports the potential to transform downtown through the creation of additional market-rate and affordable housing units in a walkable, diverse, mixed-income and mixed use setting.

Durham County Administrative Building #1 Refurbishing

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$1,131,744											\$1,131,744
Construction	\$0	\$5,706,756										\$5,706,756
Equip/Furnishings		\$571,205										\$571,205
Other		\$150,000										\$150,000
Contingencies		\$853,014										\$853,014
Total	\$1,131,744	\$7,280,975										\$8,412,719

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$1,131,744											\$1,131,744
Limited Obligation Bonds		\$7,280,975										\$7,280,975
Total	\$1,131,744	\$7,280,975										\$8,412,719

Project Description

This renovation will allow the backfill of the ground and 1st floor of the Administrative Building following the completion of the Judicial Building Renovation. Currently, these floors are occupied by Register of Deeds and Tax Administration which will be relocating as part of the Judicial Building Renovation. Various departments require expansion due to service needs as many of the departments currently occupy multiple floors. This project will improve department consolidation and adjacencies along with addressing other building issues as identified during the programming/evaluation phase.

Durham to Timberlake Rail Trail Corridor

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Land Acquisition									\$2,000,000			\$2,000,000
Construction										\$75,000	\$480,000	\$555,000
Total									\$2,000,000	\$75,000	\$480,000	\$2,555,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution										\$75,000	\$480,000	\$555,000
Limited Obligation Bonds									\$2,000,000			\$2,000,000
Total									\$2,000,000	\$75,000	\$480,000	\$2,555,000

Project Description

The Durham to Timberlake rail trail is a 21.5 mile inactive rail corridor stretching from downtown Durham into Person County that is proposed to be converted to a rail trail project. Acquisition of this corridor is seen as a unique opportunity to secure and preserve a strategic corridor to provide rail- trail recreational opportunities. The proposed rail-trail is envisioned as a city county partnership with county participation proposed for the portion of the corridor from the Urban Services Boundary northward to the County line, totaling 8.3 miles. The corridor is not currently available for purchase; the acquisition funding is a placeholder estimate in order to have some funding planned in future years since there may only be a short time frame for purchasing the rail corridor if it becomes available.

Engineering - Stormwater Retrofit

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$200,000											\$200,000
Construction		\$1,000,000	\$250,000	\$250,000								\$1,500,000
Total	\$200,000	\$1,000,000	\$250,000	\$250,000								\$1,700,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$200,000											\$200,000
Limited Obligation Bonds		\$1,500,000										\$1,500,000
Total	\$200,000	\$1,500,000										\$1,700,000

Project Description

Durham County is subject to three separate watershed rules for nutrient reduction and stormwater management: the Neuse Stormwater Rule, the Falls Lake Rules, and the Jordan Lake Rules. Durham County has already implemented nutrient reduction requirements associated with new development in the watersheds. However, in order to meet the existing development components of the Rules, Durham County may need to construct stormwater retrofits, among other activities, to reduce nutrient inputs from present infrastructure in these watersheds. This funding has been identified as a placeholder for those types of projects.

Enterprise Fund - Biological Nutrient Removal Aeration Upgrade

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning		\$213,000		\$213,000	\$213,000							\$639,000
Construction	\$1,912,000	\$1,912,000			\$1,912,000	\$1,912,000						\$7,648,000
Contingencies	\$191,200	\$191,200			\$191,200	\$191,200						\$764,800
Total	\$2,103,200	\$2,316,200		\$213,000	\$2,316,200	\$2,103,200						\$9,051,800

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Enterprise Fund	\$2,103,200	\$2,316,200	\$0	\$213,000	\$2,316,200	\$2,103,200						\$9,051,800
Total	\$2,103,200	\$2,316,200	\$0	\$213,000	\$2,316,200	\$2,103,200						\$9,051,800

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Minus Savings		(\$28,000)			(\$28,000)	(\$28,000)						(\$84,000)
Total		(\$28,000)			(\$28,000)	(\$28,000)						(\$84,000)

Project Description

The initial Aeration System Improvements for the Triangle Waste Water Treatment Plant includes the replacement of existing mechanical aeration rotors in oxidation ditch number two with a diffused aeration system consisting of two 125 horsepower blowers with variable frequency drives and two membrane disc diffuser grids. Additional work in oxidation ditch number two includes removing settled solids from the basin, repairing an expansion joint spanning the basin, and replacing all mixers within the basin. Provided the new system for oxidation ditch number two performs as anticipated, oxidation ditch number one and number three will transition from surface aeration to diffused aeration in FY 2022 and FY 2023

Enterprise Fund - Collections System Rehabilitation

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$250,000	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$825,000
Construction	\$2,465,135	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$7,215,135
Contingencies	\$250,000	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$825,000
Total	\$2,965,135	\$560,000	\$560,000	\$560,000	\$560,000	\$560,000	\$620,000	\$620,000	\$620,000	\$620,000	\$620,000	\$8,865,135

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Enterprise Fund	\$2,965,135	\$560,000	\$560,000	\$560,000	\$560,000	\$560,000	\$620,000	\$620,000	\$620,000	\$620,000	\$620,000	\$8,865,135
Total	\$2,965,135	\$560,000	\$560,000	\$560,000	\$560,000	\$560,000	\$620,000	\$620,000	\$620,000	\$620,000	\$620,000	\$8,865,135

Project Description

Durham County owns and maintains more than 100 miles of sewer main with thirteen pump stations. The sewer main is constructed of several different types of materials, including vitrified clay, concrete, concrete lined ductile iron pipe, epoxy lined ductile iron pipe, and plastic pipe. The pipe systems deteriorate at different rates dependent upon the sewage quality passing through them and the pipe material. Similarly, the pump stations deteriorate and repair parts become obsolete. This project provides for the evaluation of the sewer system and pump stations, the rehabilitation of the sewer system and pump stations based upon the risk of failure, the installation of systems which reduce the generation of corrosive gases which increases the longevity of the installed sewer system. The rehabilitation project has resulted in reduced sewer spills and is ongoing.

Enterprise Fund - New Administration Building

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning		\$22,000	\$300,000	\$100,000								\$422,000
Construction		\$0		\$6,000,000								\$6,000,000
Total		\$22,000	\$300,000	\$6,100,000								\$6,422,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Enterprise Fund		\$22,000	\$300,000	\$6,100,000								\$6,422,000
Total		\$22,000	\$300,000	\$6,100,000								\$6,422,000

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel				\$150,000	\$157,500	\$165,375	\$173,644	\$182,326	\$191,442	\$201,014	\$211,065	\$1,432,366
Utilities				\$25,000	\$26,250	\$27,563	\$28,941	\$30,388	\$31,907	\$33,502	\$35,178	\$238,728
Minus Savings				(\$293,500)								(\$293,500)
Total				(\$118,500)	\$183,750	\$192,938	\$202,584	\$212,714	\$223,349	\$234,517	\$246,243	\$1,377,594

Project Description

The Utilities Division is planning on building a new administration building that will include space for a new wastewater laboratory, climate-controlled maintenance storage area, a training facility and back-up emergency operations center, fueling station, County health and wellness gym, and a back-up IT server room.

Enterprise Fund - Sludge Energy Recover and Solar Drying

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$200,000										\$500,000	\$700,000
Land Acquisition	\$5,000,000											\$5,000,000
Construction											\$13,000,000	\$13,000,000
Contingencies											\$1,000,000	\$1,000,000
Total	\$5,200,000										\$14,500,000	\$19,700,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Enterprise Fund	\$5,200,000											\$5,200,000
Revenue Bonds											\$14,500,000	\$14,500,000
Total	\$5,200,000										\$14,500,000	\$19,700,000

Project Description

The land needed for this project has been purchased but the technology that will be used has not been determined. Research continues as we look for technology that is reliable, sustainable, and economically feasible for future needs

Old Social Services Main Street Building Renovation*

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$0	\$561,800		\$200,000								\$761,800
Construction	\$0	\$238,203			\$8,699,997							\$8,938,200
Equip/Furnishings						\$300,000						\$300,000
Total	\$0	\$800,003		\$200,000	\$8,699,997	\$300,000						\$10,000,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$800,003		\$200,000		\$300,000						\$1,300,003
Limited Obligation Bonds	\$0				\$8,699,997							\$8,699,997
Total	\$0	\$800,003		\$200,000	\$8,699,997	\$300,000						\$10,000,000

Project Description

* This project is still developing scope and use. The proposed capital budget reflects a current amount of unknown possible directions, but largely reflects the current Board Of County Commissioner maximum amount of funding support related to the project.

Due to its proximity within the Government Services District, staff recommends that Durham County retain ownership of the facility to address space needs for DSS and Public Health, identified in Space Needs Analysis and Facility Master Plan Updates. Previous updates called for a Human Services Annex on the 500 Block of East Main Street. However, with the mixed use development slated for this site such use by the County will further complicate the development of this property. Therefore, we are recommending that the DSS Main St. facility be renovated up-fitting the upper floors for use by the County as needed with the potential for leasing out the lower floors to be up-fitted as class B office and/or commercial space to further activate East Main St. and to address the BOCC's objectives to consider Human Capital and inclusiveness. Any modification to the facility will require construction necessary to bring the building up to current code including upgrades to the elevators, reconfiguration of the restrooms which currently have men's and women's restrooms on alternating floors, fireproofing of the structural steel, the addition of a fire sprinkler system, upgrades to all plumbing, mechanical and electrical systems and abatement of asbestos floor tiles and mastic throughout the building. It is also important to note that the facility has been placed on the Historic Register due to the age of the structure exceeding 50+ years which disallows major modifications to the building's exterior. Any modifications to the exterior will require Historic Preservation Commission approval. Typically, newer energy efficient windows, caulking and repointing will be allowed with HPC approval as long as the new design maintains the original design appearance and integrity. The estimate provided for this project factors all considerations noted above while addressing the use of this property as a continuation of the County's Administrative core.

Open Space and Farmland Preservation

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Land Acquisition	\$3,500,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$8,000,000
Construction	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$800,000
Total	\$3,800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,800,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$3,800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,800,000
Total	\$3,800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,800,000

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel		\$0	\$40,475	\$42,499	\$44,624	\$46,855	\$49,198	\$51,657	\$54,240	\$56,952	\$59,800	\$446,300
Total		\$0	\$40,475	\$42,499	\$44,624	\$46,855	\$49,198	\$51,657	\$54,240	\$56,952	\$59,800	\$446,300

Project Description

Funds will be used towards acquisition and development of strategic county open spaces. The funds will be used to acquire lands to implement adopted open space plans, and to provide public recreation and trails when compatible. Acquisitions are needed to implement the County identified project areas within the County's adopted four open space plans, which are the New Hope Creek Corridor Open Space Plan, Little River OS Plan, Eastern Durham OS Plan and the Urban Plan. Lands acquired will also help to protect the county's water quality and significant natural habitats. Lands will be acquired with easements where feasible or in fee simple. Additional properties may be included based on strategic opportunities within the remaining two corridors identified in the adopted County's Open Space Corridor System Plan (Flat River and Eno River) where more detailed open space plans are also planned but not yet completed by the Planning Department. Identified properties are reviewed by the Durham Open Space and Trails Commission (DOST).

Capital project funds will also provide the County's matching funds for acquisition of permanent farmland conservation easements as part of the County's farmland preservation program pursuant to the county's adopted Durham County Agricultural Development and Farmland Preservation Plan (December 2009). The County's farmland easement program relies heavily on matching grants from the state and federal farmland preservation programs. Farmland easements are acquired from willing landowners. The farms are recommended to the County Commissioners by the Durham Farmland Protection Advisory Board.

Snow Hill Road Pump Station Improvements

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$35,000	\$2,455,000								\$78,000		\$2,568,000
Construction	\$0	\$9,087,000									\$291,000	\$9,378,000
Contingencies		\$1,154,200								\$7,800	\$29,100	\$1,191,100
Total	\$35,000	\$12,696,200								\$85,800	\$320,100	\$13,137,100

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$35,000									\$85,800	\$320,100	\$440,900
Limited Obligation Bonds	\$0	\$12,696,200										\$12,696,200
Total	\$35,000	\$12,696,200								\$85,800	\$320,100	\$13,137,100

Project Description

The Snow Hill Road pump station is owned and operated by the City of Durham. The pump station is the critical "pinch point" stopping new development in the Treyburn business park. Hazen and Sawyer (an engineering firm) completed a technical memorandum evaluating potential short term and long-term solutions to increase wastewater capacity at the pump station in January of 2019. It was determined a new station and forcemain would be required to increase wastewater capacity in the Treyburn business park. The new station would be designed and built with the intention of serving development for the next 20 years. An RFQ Design/Build process will be used to expedite the timeline.

GOAL 5: ACCOUNTABLE, EFFICIENT AND VISIONARY GOVERNMENT

An effective organization committed to continuous innovation, exceptional customer service, transparency and fiscal responsibility.



General Services - County Buildings Envelope Upgrades

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$101,680											\$101,680
Construction	\$1,398,320	\$380,891	\$444,028	\$417,224	\$138,320	\$145,600	\$166,400	\$127,920	\$322,400	\$1,029,600	\$436,800	\$5,007,503
Contingencies		\$22,853	\$26,642	\$25,033	\$8,299	\$8,736	\$9,984	\$7,675	\$19,344	\$61,776	\$26,208	\$216,551
Total	\$1,500,000	\$403,744	\$470,670	\$442,257	\$146,619	\$154,336	\$176,384	\$135,595	\$341,744	\$1,091,376	\$463,008	\$5,325,734

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$1,500,000	\$403,744	\$470,670	\$442,257	\$146,619	\$154,336	\$176,384	\$135,595	\$341,744	\$1,091,376	\$463,008	\$5,325,734
Total	\$1,500,000	\$403,744	\$470,670	\$442,257	\$146,619	\$154,336	\$176,384	\$135,595	\$341,744	\$1,091,376	\$463,008	\$5,325,734

Project Description

Repair or replacement of Building Envelope (i.e. windows, doors, louvers, painting, etc.) within buildings structure that are failing in their intended purpose. The failing of these products lead to a facility losing its thermal and/or moisture barrier and causing a strain on the systems of the facility. Also, it could lead to water infiltration if not repaired correctly and in a timely manner. The Building Maintenance Division within General Services, conducts periodic inspections of all County facilities to determine when this work may be needed.

General Services - County Buildings HVAC Replacement

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$55,000											\$55,000
Equip/Furnishings		\$465,133	\$365,288	\$858,131	\$746,065	\$378,420	\$397,434	\$19,080	\$98,050	\$346,620	\$333,900	\$4,008,121
Other	\$1,671,022	\$48,734										\$1,719,756
Contingencies	\$190,193	\$27,908	\$21,917	\$51,488	\$44,764	\$22,705	\$23,846	\$1,145	\$5,883	\$20,797	\$20,034	\$430,681
Total	\$1,916,215	\$541,775	\$387,205	\$909,619	\$790,829	\$401,125	\$421,280	\$20,225	\$103,933	\$367,417	\$353,934	\$6,213,558

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$1,916,215	\$541,775	\$387,205	\$909,619	\$790,829	\$401,125	\$421,280	\$20,225	\$103,933	\$367,417	\$353,934	\$6,213,558
Total	\$1,916,215	\$541,775	\$387,205	\$909,619	\$790,829	\$401,125	\$421,280	\$20,225	\$103,933	\$367,417	\$353,934	\$6,213,558

Project Description

The County owns 42 facilities in which General Services is responsible for maintaining the heating and air conditioning systems and building automation controls (BAS). Systems maintenance records are analyzed, manufacturer specifications, and repair parts availability are taken into consideration for system replacements or refurbishment. County BAS system Andover is reaching it useful life and will have to be replaced incrementally through out our system. This allow remote control of building HVAC systems and utility analytics.

General Services - County Buildings Roof Replacement

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Other	\$2,648,845	\$741,720	\$0	\$12,880	\$73,960	\$150,900	\$164,339	\$199,088	\$255,687	\$294,563		\$4,541,982
Contingencies	\$308,204	\$32,503	\$0	\$773	\$4,438	\$9,054	\$9,860	\$11,945	\$15,341	\$17,674	\$0	\$409,792
Total	\$2,957,049	\$774,223	\$0	\$13,653	\$78,398	\$159,954	\$174,199	\$211,033	\$271,028	\$312,237	\$0	\$4,951,774

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$2,957,049	\$774,223	\$0	\$13,653	\$78,398	\$159,954	\$174,199	\$211,033	\$271,028	\$312,237	\$0	\$4,951,774
Total	\$2,957,049	\$774,223	\$0	\$13,653	\$78,398	\$159,954	\$174,199	\$211,033	\$271,028	\$312,237	\$0	\$4,951,774

Project Description

The County has 42 facilities with various roof types (i.e. single ply, shingle, spray on and metal) that need replacement when they have reached their useful life span. The Building Maintenance division performs yearly evaluations of each roof system in the County and determines the approximate life span remaining on the County owned facility. Prices for this year's evaluation were formulated using previous quote averages and R.S. Means Construction Cost Data for corresponding roofs. Scheduled replacements will be analyzed yearly as atmospheric elements directly affect the life span of the roofs.

General Services - County Buildings Security Improvements

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Other	\$760,160	\$319,200	\$454,123	\$422,381	\$56,000	\$55,785		\$500,000	\$518,000	\$268,370		\$3,354,019
Contingencies	\$78,716	\$14,962	\$20,686	\$18,735	\$2,800	\$2,789		\$27,800	\$25,900	\$27,837		\$220,225
Total	\$838,876	\$334,162	\$474,809	\$441,116	\$58,800	\$58,574		\$527,800	\$543,900	\$296,207		\$3,574,244

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$838,876	\$334,162	\$474,809	\$441,116	\$58,800	\$58,574	\$0	\$527,800	\$543,900	\$296,207	\$0	\$3,574,244
Total	\$838,876	\$334,162	\$474,809	\$441,116	\$58,800	\$58,574	\$0	\$527,800	\$543,900	\$296,207	\$0	\$3,574,244

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel		\$466,502	\$480,497	\$494,912	\$509,759	\$525,052	\$540,804	\$557,028	\$573,739	\$590,951	\$608,679	\$5,347,923
Total		\$466,502	\$480,497	\$494,912	\$509,759	\$525,052	\$540,804	\$557,028	\$573,739	\$590,951	\$608,679	\$5,347,923

Project Description

This project will enhance the County's current building security systems by replacing antiquated security cameras, installing new cameras where there are gaps in coverage of critical infrastructure locations, re-keying locks to bring all County facilities under a centralized key control system, improving building security by installing barriers, and providing emergency phone stations at County parking locations. Additional improvements will add command and control software that will allow the security monitoring center to employ video analytics and blue force tracking as well as an improved video management system that will be scalable as security needs continue to expand.

General Services - County Parking Lots Refurbishment

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$16,286											\$16,286
Other	\$1,344,404	\$280,358	\$589,109	\$386,372	\$76,152		\$75,724		\$37,528		\$50,524	\$2,840,171
Contingencies	\$154,493	\$16,821	\$35,347	\$23,182	\$4,569	\$0	\$4,543	\$0	\$2,252	\$0	\$3,031	\$244,239
Total	\$1,515,183	\$297,179	\$624,456	\$409,554	\$80,721	\$0	\$80,267	\$0	\$39,780	\$0	\$53,555	\$3,100,696

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$1,515,183	\$297,179	\$624,456	\$409,554	\$80,721	\$0	\$80,267	\$0	\$39,780	\$0	\$53,555	\$3,100,696
Total	\$1,515,183	\$297,179	\$624,456	\$409,554	\$80,721	\$0	\$80,267	\$0	\$39,780	\$0	\$53,555	\$3,100,696

Project Description

The County owns 43 surface parking lots associated with County buildings, three standalone parking structures, and three separate parking lots with varying surfaces of asphalt and concrete. Analysis of the condition of each parking facility has been undertaken by General Services. The priority of resurfacing or reconditioning each parking lot was determined by first age then by the amount of deterioration on each lot. A cost per parking lot has been identified from either quotes or Engineering estimates. The work required will be contracted services. The annual value of maintaining these resources exceed operational budget ability to handle. These parking lots are vital for the safe movement of both citizens and employees accessing facilities.

General Services - County Stadium Upgrades

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings	\$1,471,403											\$1,471,403
Other		\$301,600	\$1,227,392	\$577,500	\$109,200	\$155,240	\$113,420	\$0	\$0	\$0		\$2,484,352
Contingencies		\$36,856	\$58,337	\$70,571	\$13,344	\$110,620	\$13,860	\$0	\$0	\$0		\$303,588
Total	\$1,471,403	\$338,456	\$1,285,729	\$648,071	\$122,544	\$265,860	\$127,280	\$0	\$0	\$0		\$4,259,342

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$1,471,403	\$338,456	\$1,285,729	\$648,071	\$122,544	\$265,860	\$127,280	\$0				\$4,259,342
Total	\$1,471,403	\$338,456	\$1,285,729	\$648,071	\$122,544	\$265,860	\$127,280	\$0				\$4,259,342

Project Description

The County Stadium is an athletic stadium used for a variety of events. Durham County completed a renovation of the Stadium during the summer of 2010. Issues which still need to be addressed are: 1) Moisture remediation of storage areas beneath the grand stand area, 2) Upgrades to the deteriorating facades of the stadium field walls, 3) Planned replacement of the current seating benches, 4) Lead paint has been discovered on the steel support structure of the bleachers, so this remediation will take place in conjunction with all other work.

General Services - Detention Center Window Replacement

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Construction	\$1,400,000		\$1,541,947									\$2,941,947
Total	\$1,400,000		\$1,541,947									\$2,941,947

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$550,000		\$1,541,947		\$0	\$0	\$0	\$0				\$2,091,947
Limited Obligation Bonds	\$850,000											\$850,000
Total	\$1,400,000		\$1,541,947		\$0	\$0	\$0	\$0				\$2,941,947

Project Description

The Detention Center, with 4 towers containing 12 pods and 48 cells in each pod, has a security window in each cell that will be replaced on a gradual schedule. This will allow transfers of occupants and operational control. Also included in the project is the refurbishing of the rear vehicle entrance to maximize security.

General Services - Leased Convenience Site Upgrades

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$0	\$150,000	\$180,000									\$330,000
Land Acquisition	\$350,000	\$0										\$350,000
Construction			\$3,000,000									\$3,000,000
Equip/Furnishings		\$225,500										\$225,500
Contingencies	\$18,330	\$47,550	\$294,510									\$360,390
Total	\$368,330	\$423,050	\$3,474,510									\$4,265,890

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$368,330	\$423,050										\$791,380
Limited Obligation Bonds	\$0		\$3,474,510									\$3,474,510
Total	\$368,330	\$423,050	\$3,474,510									\$4,265,890

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel		\$40,000	\$42,000	\$44,100	\$46,305	\$48,620	\$51,051	\$53,604	\$56,284	\$59,098	\$62,053	\$503,116
Utilities			\$1,274	\$1,274	\$1,274	\$1,274	\$1,274	\$1,274	\$1,274	\$1,274	\$1,274	\$11,466
Total		\$40,000	\$43,274	\$45,374	\$47,579	\$49,894	\$52,325	\$54,878	\$57,558	\$60,372	\$63,327	\$514,582

Project Description

Land acquisition and development of a Northern Durham consolidated solid waste and recycling convenience site. Approximately 56% of the users of the County's four solid waste and recycling convenience sites use the Bahama and Rougemont Convenience Sites located in Northern Durham. Both sites are leased to the County. The lease holders are the Durham Public School for the Bahama Convenience Site and a private landowner for the Rougemont Convenience Site. Consequences to the County for not owning either of the convenience sites are restrictions that limit the County's site usage and the ability to expand the sites in the future, as well as lack of permanent ownership control of the properties. The County's Real Estate division has identified a potential property and is currently seeking a 9-10 month option with potential purchase May 2019 if the site percs and can receive a special use permit. HDR, Inc was selected through an RFQ process (9/2018) to provide architectural services, master planning, and permit application assistance.

General Services - Owned Convenience Sites Renovation

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$84,163	\$120,000	\$100,000									\$304,163
Land Acquisition	\$120,500	\$200,000										\$320,500
Construction				\$800,000	\$800,000							\$1,600,000
Equip/Furnishings				\$76,250	\$76,250							\$152,500
Contingencies	\$10,284	\$119,671										\$129,955
Total	\$214,947	\$439,671	\$100,000	\$876,250	\$876,250							\$2,507,118

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$214,947	\$439,671	\$100,000	\$876,250	\$876,250							\$2,507,118
Total	\$214,947	\$439,671	\$100,000	\$876,250	\$876,250							\$2,507,118

Project Description

Construct and upgrade the existing site attendant buildings located at the Redwood and Parkwood Solid Waste and Recycling Convenience Sites at and acquire adjoining properties to the Redwood Convenience Site in order to eliminate site restrictions and the ability to expand services. At the Redwood Site, the County's Real Estate division has identified two parcels in tax foreclosure that would expand the footprint and secure entrance area. They will attempt to purchase these parcels. An RFQ for architectural services was issued August 2018 and Smith Gardener was selected for \$72,000. Smith Gardener will create a master plan, community engagement.

General Services - Parkwood Building Upgrades for Continued Use

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning	\$0	\$253,681										\$253,681
Other		\$47,196										\$47,196
Contingencies		\$36,766										\$36,766
Total	\$0	\$337,643										\$337,643

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution		\$337,643										\$337,643
Total		\$337,643										\$337,643

Project Description

Renovation of former volunteer fire stations 82 and 85 for future County department uses as operational or storage spaces as County facilities downtown are renovated. Cost are for design, building upfit, furniture and mechanical system modifications.

Information Services & Technology - SAP S/4 Hana

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning		\$250,000	\$250,000									\$500,000
Equip/Furnishings				\$10,699,694								\$10,699,694
Total		\$250,000	\$250,000	\$10,699,694								\$11,199,694

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$0	\$250,000	\$250,000									\$500,000
Bank Financing				\$10,699,694								\$10,699,694
Total	\$0	\$250,000	\$250,000	\$10,699,694								\$11,199,694

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel				\$1,586,000	\$343,200	\$360,360	\$378,378	\$397,297	\$417,162	\$438,020	\$459,921	\$4,380,337
Operating Costs					\$1,806,194	\$1,806,194	\$1,806,194	\$1,806,194	\$1,806,194	\$1,806,194	\$1,806,194	\$12,643,358
Total				\$1,586,000	\$2,149,394	\$2,166,5...	\$2,184,572	\$2,203,491	\$2,223,3...	\$2,244,214	\$2,266,115	\$17,023,695

Project Description

Durham County has been on SAP's legacy ERP software since 2005. This platform supports enterprise business functions such as finance, payroll and HR processes. Organizations that use legacy SAP ERP have until December 31st, 2025 to migrate to S/4HANA, after which the company will no longer provide maintenance & support. Since 2005, many technology advances have also occurred which have dramatically changed business processes and customer services. SAP S/4HANA is SAP's next generation business suite, fully built on the most advanced in-memory platform enabling organizations to remove common obstacles associated with legacy ERP applications, such as batch latency, complex landscapes, and manually-driven processes. It is designed with a modern user experience. S/4HANA is designed to run exclusively on HANA to harness the database's speed and analytical power dramatically accelerating a range of business processes, provide real-time reporting and better addressing a range of use cases around automation, decision-making, predictive analysis, artificial intelligence, and other modern business needs. Performance objectives include:

- Supportability – Durham County must migrate its SAP financial system to S/4 HANA by 2025 to maintain vendor maintenance & support.
- Performance - S/4HANA allows organizations to experience better performance as it relates to complex and time driven business activities such as real-time planning, execution, reporting and analytics based on live data, as well as improved forecasting. It also provides improved service levels for customer-centric applications.
- Simplicity - The adoption of S/4HANA is a cost-efficient option for combining all the analytical and transactional capabilities of different systems into a single source of truth which drives acute and proactive business making.

Information Services & Technology - SAP Success Factors Employee Central & Payroll

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings					\$5,083,137							\$5,083,137
Total					\$5,083,137							\$5,083,137

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Bank Financing					\$5,083,137							\$5,083,137
Total					\$5,083,137							\$5,083,137

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel					\$880,880	\$264,160	\$277,368	\$291,236	\$305,798	\$321,088	\$337,143	\$2,677,673
Operating Costs						\$290,350	\$290,350	\$290,350	\$290,350	\$290,350	\$290,350	\$1,742,100
Total					\$880,880	\$554,510	\$567,718	\$581,586	\$596,148	\$611,438	\$627,493	\$4,419,773

Project Description

Businesses that use legacy SAP payroll have until December 31st, 2025 to migrate to SAP SuccessFactors Employee Central and Payroll cloud services, after which the company will no longer provide maintenance and support. The main goals of this project include: 1) simplifying HR processes by removing complexity and modernizing the technology environment, 2) using data to predict, plan, and measure HR needs and strategies, 3) eliminating non-value administrative tasks to spend more time supporting important business needs, 4) ensuring employees have what they need, when they need it in order to better to manage career, teams, and productivity, 5) ensuring employees receive required training and adhere to safe and best practices to prevent errors that could have fatal or adverse consequences. Organizations can define and execute better people strategies, provide actionable insight, and focus on value-add activities that support the business and ensure legal and organizational compliance for better business results. Durham County has already moved some of its legacy HR services to SAP SuccessFactors cloud services including Recruitment, Careers, On-boarding, Off-boarding, Learning Management System and Performance and Goals. The purpose of the project would be to migrate the remaining legacy HR and Payroll services to SAP SuccessFactors Employee Central and Payroll cloud services.

Information Services & Technology -Project Portfolio Manager

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning			\$200,000		\$200,000							\$400,000
Equip/Furnishings				\$250,000								\$250,000
Total			\$200,000	\$250,000	\$200,000							\$650,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$0		\$200,000	\$250,000	\$200,000							\$650,000
Total	\$0		\$200,000	\$250,000	\$200,000							\$650,000

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel			\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$2,250,000
Operating Costs			\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$2,250,000
Total			\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$4,500,000

Project Description

Project Portfolio Manager will allow management and executive team insight into the projects and resources within their portfolio, which then allows review of the overall progress across projects in the Enterprise that are key to the County Manager and the Board of County Commissioners. This is connected with Managing For Results in that it allows for reviewing metrics from a project portfolio which can help in making important financial and business decisions, as well as make sure teams are aligned with business and organizational strategy.

Information Services & Technology -SAP Ariba

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings							\$4,299,766					\$4,299,766
Total							\$4,299,766					\$4,299,766

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Bank Financing							\$4,299,766					\$4,299,766
Total							\$4,299,766					\$4,299,766

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel							\$689,520	\$713,440	\$749,112	\$786,568	\$825,896	\$3,764,5...
Operating Costs								\$450,000	\$450,000	\$450,000	\$450,000	\$1,800,0...
Total							\$689,520	\$1,163,4...	\$1,199,112	\$1,236,568	\$1,275,896	\$5,564,5...

Project Description

Durham County currently takes an adhoc approach to purchasing goods and services resulting in higher costs, lower productivity, longer procurement cycles, and numerous disconnected manual processes across County departments. SAP Ariba standardizes, automates and integrates the entire buying process across the organization for enterprise-wide cost reductions. SAP Ariba provides cloud-based procurement that enable suppliers and buyers to easily connect and do business. SAP Ariba is designed to help organizations 1) negotiate better agreements with suppliers and provide better visibility and control over spending, 2) provide the ability for organizations to manage trusted connections with partners while ensuring policies automatically guide efficient, error-free transactions, and 3) offer an end-to-end automated system that removes complexity and allows buyers and suppliers to manage everything from contracts to payments all in one place. Deployment of SAP Ariba will require significant process changes to current business functions both in finance and DCo departments.

Information Services & Technology -SAP Budget & Planning

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings						\$2,679,358						\$2,679,358
Total						\$2,679,358						\$2,679,358

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Bank Financing						\$2,679,358						\$2,679,358
Total						\$2,679,358						\$2,679,358

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel						\$390,000	\$114,400	\$120,120	\$126,126	\$132,432	\$139,054	\$1,022,132
Operating Costs							\$429,204	\$429,204	\$429,204	\$429,204	\$429,204	\$2,146,020
Total						\$390,000	\$543,604	\$549,324	\$555,330	\$561,636	\$568,258	\$3,168,152

Project Description

Durham County has been on SAP's legacy ERP since 2005. This platform supports critical business functions such as finance, payroll and HR processes. Currently, Durham County uses several different vendor products, and manual processes to complete its annual budgeting process. This project is focused on continued development and deployment of technology business solutions that drive automation in the county's business processes, enable efficient data management across the enterprise and improve the delivery of services to citizens. The SAP Budgeting and Planning is an add-on component that provides a dynamic and collaborative environment to accommodate the requirements of the end-to-end public-sector budget formulation process. Timing consideration must be given to other SAP projects such as ECC6 migration to S4/HANA since internal resources will not have the capacity to work on multiple SAP projects and support production SAP systems at the same time.

Information Services & Technology -SAP Cloud Analytics & Development Platform

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings								\$1,000,000	\$600,000	\$600,000	\$600,000	\$2,800,000
Total								\$1,000,000	\$600,000	\$600,000	\$600,000	\$2,800,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$0							\$1,000,000	\$600,000	\$600,000	\$600,000	\$2,800,000
Total	\$0							\$1,000,000	\$600,000	\$600,000	\$600,000	\$2,800,000

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel								\$390,000	\$114,400	\$120,120	\$126,126	\$750,646
Total								\$390,000	\$114,400	\$120,120	\$126,126	\$750,646

Project Description

Big data analytics helps organizations make informed decisions to drive the organization forward, improve efficiency, lower costs and achieve organizational goals. Currently, Durham County uses several different vendor products, applications and services to analyze its data, none of which integrate with Durham County's SAP financial system of record. This results in multiple sources of truth, data integrity issues, brittle manual processes, increased support costs for multiple vendor products, and a lack of enterprise business intelligence to help business units, managers, and executives make better informed decisions backed up by accurate data. SAP Analytics Cloud is a software as a service (SaaS) business intelligence platform designed by SAP. It is single solution for business intelligence and collaborative planning, enhanced with the power of predictive analytics and machine learning technology. SAP Analytics Cloud is made specifically with the intent of providing all analytics capabilities to all users in one product. SAP Analytics Cloud includes business planning, business Intelligence reporting, dashboarding, data-discovery and visualization, predictive analytics and governance, risk, and compliance. SAP Analytics Cloud allows data analysts and business decision makers to visualize, plan and make predictions all from one secure, cloud-based environment. With all the data sources and analytics functions in one product, SAP Analytics Cloud users can work more efficiently.

Information Services & Technology -Sheriff Body and Vehicle Cameras

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning			\$60,000									\$60,000
Equip/Furnishings			\$250,000				\$287,500					\$537,500
Other			\$612,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$5,412,000
Total			\$922,000	\$600,000	\$600,000	\$600,000	\$887,500	\$600,000	\$600,000	\$600,000	\$600,000	\$6,009,500

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Bank Financing			\$2,722,000				\$2,687,500				\$600,000	\$6,009,500
Total			\$2,722,000				\$2,687,500				\$600,000	\$6,009,500

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Operating Costs			\$60,000	\$69,000	\$79,350	\$91,253	\$104,941	\$104,941	\$104,941	\$104,941	\$104,941	\$824,307
Total			\$60,000	\$69,000	\$79,350	\$91,253	\$104,941	\$104,941	\$104,941	\$104,941	\$104,941	\$824,307

Project Description

This program supports the implementation of Body Worn Cameras (BWC) and replacement/expansion of in-car cameras for Sheriff Deputies, Detention Services personnel, and School Resource Officers including equipment, data storage, and technology support staff. The body camera and in-car camera system planned for purchase in FY21 will provide a camera to each patrol deputy, detention pod officers, and school resource officers. The in-car system will replace forty (40) cameras and expand the camera system to additional fleet vehicles used by personnel. The camera system captures both audio and visual data. Body cameras are activated by officers during encounters with victims, witnesses, and suspects. The BWCs will provide an accurate and unbiased evidentiary recording of deputy-involved incidents.

Information Services & Technology -Sheriff Technology Life Cycle Replacement

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings			\$774,341	\$658,190	\$1,361,229	\$599,462	\$611,314	\$689,381	\$1,565,413	\$749,190	\$719,354	\$7,727,874
Total			\$774,341	\$658,190	\$1,361,229	\$599,462	\$611,314	\$689,381	\$1,565,413	\$749,190	\$719,354	\$7,727,874

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Bank Financing			\$3,393,221				\$3,615,299				\$719,354	\$7,727,874
Total			\$3,393,221				\$3,615,299				\$719,354	\$7,727,874

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Operating Costs			\$250,000	\$0	\$0	\$0	\$0	\$40,000	\$46,000	\$46,000	\$46,000	\$428,000
Total			\$250,000	\$0	\$0	\$0	\$0	\$40,000	\$46,000	\$46,000	\$46,000	\$428,000

Project Description

The Sheriff's Office technology infrastructure is currently comprised of 90% legacy equipment that no longer meet efficient operating needs. This project would provide replacement for the Storage Area Network (SAN), servers, appliances, switches, telecommunication systems equipment, mobile devices and battery backups, located at the Sheriff 's primary Data Centers and five remote locations surrounding Durham County. The project will also include replacements for laptops, desktops, associated scanners, printers and other devices used by personnel. As technology continues to evolve, the new systems will offer expanded storage capabilities and additional features. Unified storage features will allow the County to manage data needs in a unified, architected solution providing efficiency while maintaining security and integrity of the data. The life cycle plan will allow the agency to meet current hardware, software and application compatibility and licensing needs, decrease reactive repair costs, remove latency issues and allow the expansion of innovative technology for law enforcement and detention staff.

Information Services & Technology -Technology Disaster Recovery Site

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Planning					\$250,000							\$250,000
Equip/Furnishings						\$851,000	\$898,000	\$898,000				\$2,647,000
Total					\$250,000	\$851,000	\$898,000	\$898,000				\$2,897,000

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$0				\$250,000	\$851,000	\$898,000	\$898,000				\$2,897,000
Total	\$0				\$250,000	\$851,000	\$898,000	\$898,000				\$2,897,000

Estimated Operating Costs

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Personnel						\$450,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,450,000
Total						\$450,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,450,000

Project Description

Plan, establish and implement a secondary data center (level 2 or 3) as a “warm” or “hot” site leveraging hosted services to support Durham County business operations. Mirror Durham County’s virtual server environment (Cisco UCS), network storage (NetApp), and critical systems and network infrastructure.

Information Services & Technology -Technology Life Cycle Replacement

Expenditures

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
Equip/Furnishings	\$8,751,000	\$3,016,944	\$1,283,765	\$3,740,452	\$3,438,454	\$3,975,469	\$2,000,015	\$3,502,620	\$3,157,903	\$3,507,465	\$3,034,311	\$39,408,397
Total	\$8,751,000	\$3,016,944	\$1,283,765	\$3,740,452	\$3,438,454	\$3,975,469	\$2,000,015	\$3,502,620	\$3,157,903	\$3,507,465	\$3,034,311	\$39,408,397

Revenues

Item	FY (Prior)	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29	Total
County Contribution	\$8,751,000	\$3,016,944										\$11,767,944
Bank Financing			\$12,438,140				\$12,168,002				\$3,034,311	\$27,640,453
Total	\$8,751,000	\$3,016,944	\$12,438,140				\$12,168,002				\$3,034,311	\$39,408,397

Project Description

The County's technology infrastructure has grown to over \$10,000,000 in value including servers, systems, appliances, switches, routers, more than 2,000 client systems, telecommunications systems and telephones, audio-visual equipment and system, mobile devices and associated scanners, printers, test equipment and other devices. The schedule of equipment is modified as equipment is updated as it is life-cycled or added through other projects and as legacy equipment is removed. This project maintains current, secure, effective and efficient technology infrastructure through life-cycle replacement schedules to support technology operations of Durham County's business and service departments. Technology is life-cycled to keep pace with technology advancements based on its function, to minimize warranty/repair cost and impacts to business operations. Many factors are taken into consideration in the planning of the life-cycle replacements to ensure our technology is robust enough to handle expected growth and new requirements, and to limit exposure to risk from failure and security. Desktops and laptops are replaced on a four (4) year cycle. Servers, storage, and appliances are typically replaced on a four (4) year cycle. Network and telecommunication systems including core and edge network switches, routers, firewalls, call management and call center systems, appliances, wireless systems, wireless access points, telephones and associated equipment are replaced on four (4) to seven (7) year cycles. Audio Visual systems and displays are replaced on a four (4) to seven (7) year cycle.

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