

Capital Improvement Plan



Durham County, North Carolina

**Fiscal Years
2014-2023**

Durham County, North Carolina
Capital Improvement Plan
Fiscal Years 2014-2023

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Durham County Capital Improvement Plan (CIP)

Fiscal Years 2014-2023

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Dear Durham County Residents:

I am pleased to present Durham County's biennial 2014-2023 Capital Improvement Plan (CIP), my seventh with Durham County. This CIP sees the full implementation of two of the county's largest projects in the Human Services Complex and the New County Courthouse, and Durham Public School system continuing to spend the majority of its 2007 voter approved GO Bond funds (\$194 million). A \$120 million General Obligation bond referendum is planned for FY 2015-16 to support Durham Public Schools, a Main Library major renovation and NC Museum of Life & Science maintenance.

As of FY 2013-14 Durham County is emerging slowly from a less than ideal economic and lending climate. This turbulent and slow growing economic climate has had two serious effects on the CIP; 1) the County's ability to pay for already issued capital related debt and, 2) the need to support future planned projects within a financial framework that continues 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 once again, albeit slowly. Future growth estimates for these revenues, along with property tax revenue estimates, have been revised with slower growth trends based on historical collections. What does this mean? It means that after the busiest capital expansion in Durham County in decades revenues needed to support the costs of these capital projects are not growing at the same pace as the debt being taken on, putting real pressure on property tax to fill in the gap. Property taxes were raised three cents in FY 2013-14 specifically to support increased debt service payments and will most likely need to rise again in FY 2014-15. After those increases the new 10 year CIP does not estimate needing increased property tax for at least five years.

As one of five 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 economic and 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 2014-23 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 FY2014-2023 CIP is a major biennial update. The major changes to this current CIP, as compared to the last CIP are:

- The addition of a planned General Obligation Bond referendum in FY 2015-16 for \$120.5 million, with \$100 million for Durham Public Schools, \$14.3 million for a Main Library major renovation, and \$6.2 million for NC Museum of Life & Science maintenance and renovations.
- Preventative maintenance of County buildings and grounds are now set up in four new capital projects covering HVAC replacement, roof replacement, parking resurfacing, and audio/visual equipment replacement
- The main jail located downtown is due for significant renovation and there is now a \$8.9 million project planned for FY 2017-18.
- Nine new projects totaling approximately \$24.9 million are included in this CIP:
 - HVAC Replacement
 - Roof Replacement
 - Parking Resurfacing
 - EMS Station #4 Renovation
 - Audio/Visual Equipment Replacement
 - Main Jail Renovation
 - Timberlake Rail Trail
 - Storm water Retrofit
 - DSS Building Demolition

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

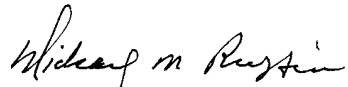
years. I am confident that this plan presents a balance of the County's physical needs, present and future, within the financial obligations and funding choices available to the County.

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 2014-2023 Capital Improvement Plan.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael M. Ruffin". The signature is written in a cursive style with a large initial "M".

Michael M. Ruffin
County Manager

NOTE:

Projects that have full funding and some or all expenditures in years prior to the current CIP ten year span (2014-2023), are shown in the Addendum.

These “prior year” projects are as follows:

General Government

- Durham County Courthouse
- County Storage Facility
- County Facilities Light Replacement
- Fiber Optic Network Infrastructure

Public Safety

- EMS Station #1 Renovations

Human Services

- Human Service Complex

Enterprise Fund

- Wastewater Treatment Plant Improvements



Summary

General information and graphs concerning the entire Capital Improvement Plan

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;
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 2007 was approved by voters, giving the County the authority to issue general obligation bonds in an aggregate principal amount not to exceed \$207,100,000 to finance the construction of selected capital projects.

2007 Bond Referendum

Durham Public Schools	\$194,240,000
Durham Technical Community College	\$8,680,000
NC Museum of Life & Science	\$4,180,000
Total	\$207,100,000

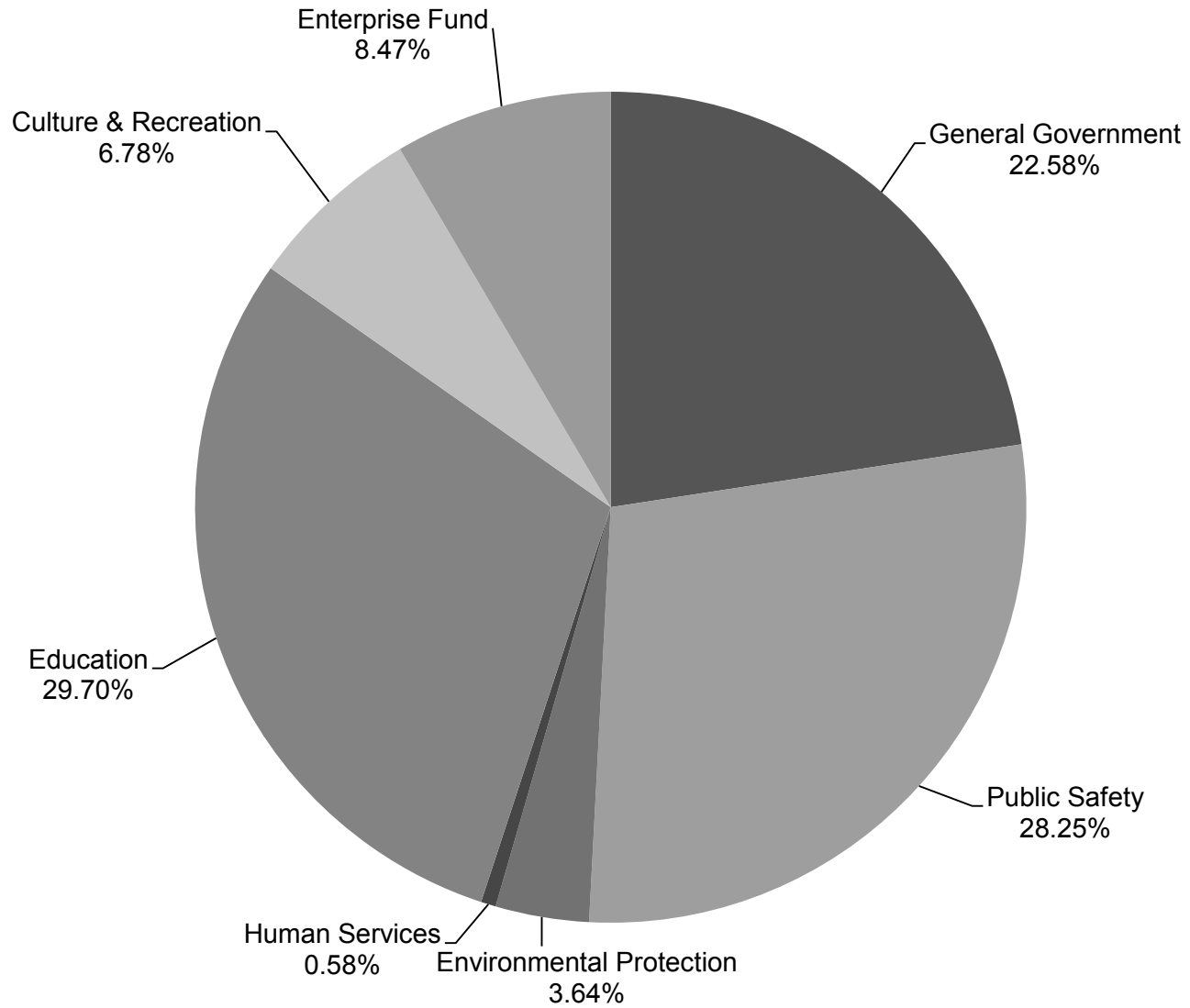
Limited short term borrowing (BANS) has been and will continue to be used with an actual GO Bond issuance every two to three years paying off any short term borrowing debt. Approximately \$60 million of the authorized GO Bonds amount was issued in FY 2011 with short term borrowing covering the difference between FY 2008 and 2010. 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 2007 voter approved GO Bonds (approximately \$146.7 million) is expected to occur in FY 2014.

New Debt Service

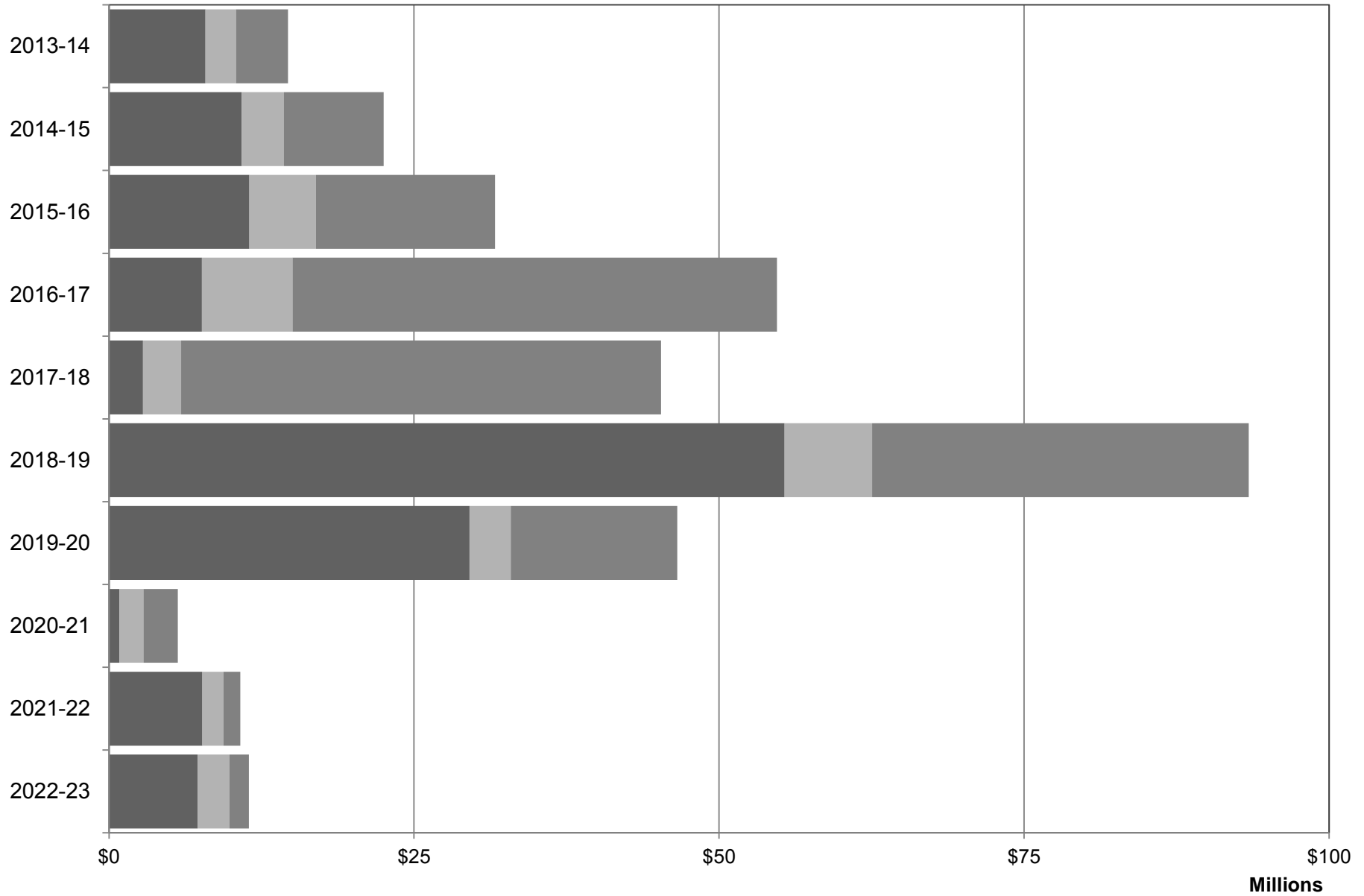
A significant change from the previous CIP, which was scaled back significantly due to economic conditions, is the inclusion of a planned \$120.5 million GO Bond referendum in FY 2015-16. Two major projects, a new Detention Center Annex estimated at \$81.7 million and a Main Jail renovation at \$8.1 million, are expected to be supported by Limited Obligation Bonds (LOBS) financing starting in FY 2017-18. Near the end of the FY 2014-23 CIP 10 year span a Downtown Parking Deck project is planned at approximately \$15.3 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 \$2.39 billion in debt. At this writing, the county has \$298.6 million in outstanding general obligation debt. An additional \$210.66 million in Limited Obligation Bond debt and \$17.61 million of installment purchases (short term debt) is not included in this legal limit.

2014-2023 Capital Improvement Plan Function Percentages



2014-2023 Capital Improvement Plan Expenditures by Year



Construction
 Equip/Furnishings
 Other Expenditures

Durham County 2014- 2023 Capital Improvement Plan Project Allocation Summary

Detail	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Grand Total
Planning	\$22,178,128	\$638,514	\$2,662,804	\$150,000	\$557,362	\$3,855,440	\$4,064,020	\$100,000	\$1,547,219	\$50,000	\$50,000	\$35,853,487
Land Acquisition	\$16,641,293	\$450,000	\$1,050,000	\$11,950,000	\$450,000	\$2,450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$35,241,293
Construction	\$475,208,658	\$7,900,781	\$10,884,491	\$11,511,430	\$7,619,359	\$2,787,804	\$55,369,464	\$29,538,817	\$850,000	\$7,655,540	\$7,255,540	\$616,581,884
Equip/Furnishings	\$38,257,466	\$2,500,000	\$3,457,947	\$5,451,568	\$7,422,034	\$3,130,618	\$7,185,370	\$3,381,400	\$1,975,000	\$1,708,111	\$2,618,111	\$77,087,624
Other	\$19,220,006	\$1,577,948	\$3,421,980	\$1,044,632	\$37,942,386	\$32,301,387	\$21,882,823	\$10,938,885	\$549,031	\$243,845	\$412,733	\$129,535,656
Contingencies	\$13,159,468	\$1,612,551	\$1,026,821	\$1,527,404	\$759,950	\$721,026	\$4,455,309	\$2,171,972	\$270,816	\$657,389	\$674,278	\$27,036,983
Grand Total	\$584,665,018	\$14,679,794	\$22,504,042	\$31,635,034	\$54,751,091	\$45,246,275	\$93,406,986	\$46,581,074	\$5,642,066	\$10,764,885	\$11,460,662	\$921,336,927

The project allocation amounts shown above are for all projects in the 2014-2023 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.

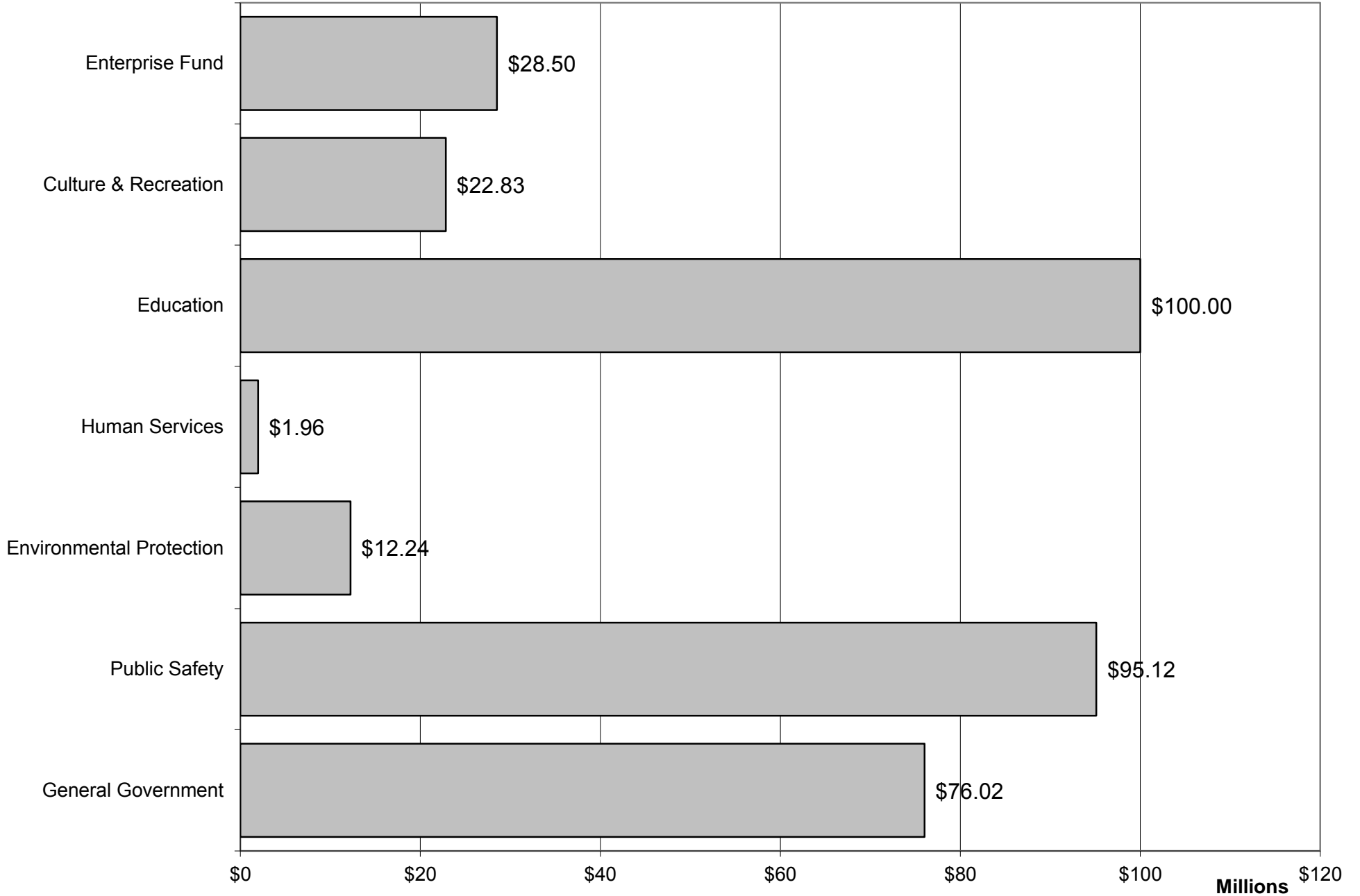
Construction: Estimated costs for the actual buildings related to specific projects.

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

Other: This allocation includes costs not easily fit in other categories. Examples include sludge removal (part of the waste water treatment facility upgrade project) and computer hardware and software purchases for the One Stop Shopping planning project.

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

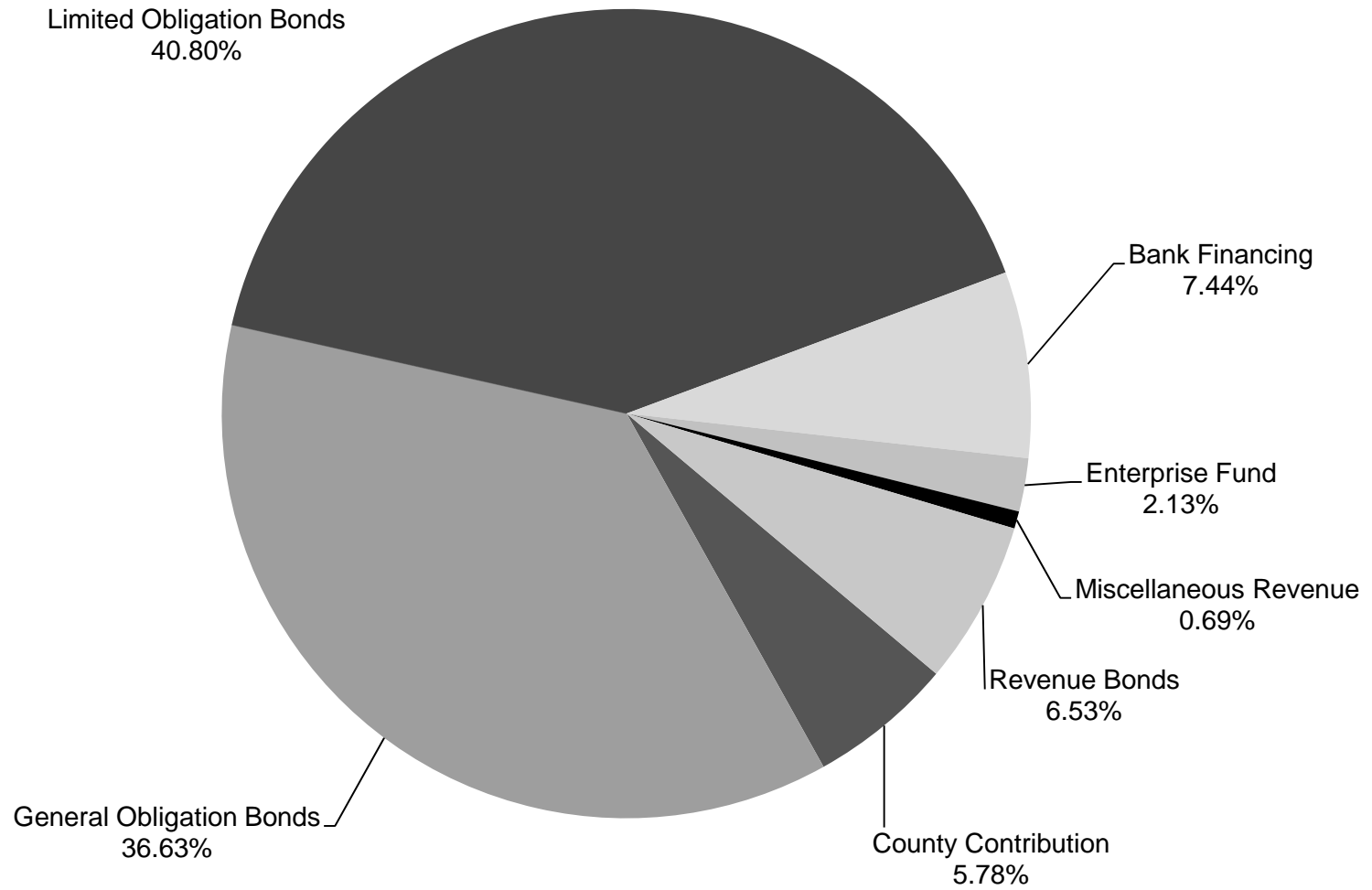
2014-2023 Capital Improvement Plan Function Totals



**Durham County FY 2014-2023 Capital Improvement Plan
Project Costs**

Function	Project	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Grand Total	
General Government	Durham County Courthouse	\$119,146,455	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$119,146,455	
	Judicial Building Renovation	\$384,517	\$5,537,050	\$10,200,671	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,122,238	
	Administration Building Refurbishment	\$500,000	\$0	\$531,744	\$4,980,975	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,012,719	
	County Stadium	\$8,206,833	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,431,833	
	Downtown Parking Deck	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$1,663,132	\$7,663,528	\$7,663,528	\$17,490,188	
	County Storage Facility	\$3,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,100,000	
	County Facility Light Replacement	\$71,438	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71,438	
	Ongoing Parking Lot Resurfacing	\$0	\$241,722	\$243,553	\$160,652	\$66,885	\$55,674	\$401,722	\$256,866	\$589,058	\$129,357	\$315,134	\$2,460,624	
	Ongoing HVAC Replacement	\$0	\$615,775	\$411,125	\$77,353	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,104,253
	Ongoing Building Roof Replacement	\$0	\$113,746	\$1,864,550	\$133,751	\$253,866	\$501,626	\$198,827	\$149,932	\$14,876	\$0	\$0	\$0	\$3,231,174
	Enterprise Wide Software Replacement	\$4,500,000	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500,000
	Countywide IT Hardware Replacement	\$2,690,873	\$2,500,000	\$2,721,040	\$2,550,000	\$2,040,000	\$2,028,000	\$2,935,000	\$2,532,000	\$1,975,000	\$1,572,000	\$2,482,000	\$26,025,913	
	Telecommunications System Upgrade	\$300,000	\$0	\$0	\$578,000	\$0	\$0	\$578,000	\$0	\$0	\$0	\$0	\$0	\$1,456,000
	Fiber Optic Network Infrastructure	\$781,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$781,000
	Major Laserfisher Upgrade	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$0	\$600,000
Audio-Visual Technology Replacement	\$0	\$0	\$0	\$0	\$0	\$387,900	\$1,530,100	\$250,000	\$0	\$0	\$0	\$0	\$2,168,000	
General Government Total		\$139,681,116	\$9,383,294	\$16,472,683	\$8,630,730	\$5,360,751	\$3,123,200	\$5,643,649	\$3,338,799	\$4,242,066	\$9,364,885	\$10,460,662	\$215,701,835	
Public Safety	EMS-Station #3	\$0	\$0	\$2,052,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,052,500	
	EMS Station #4 - Holloway Street Reno.	\$0	\$0	\$0	\$0	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200,000	
	EMS Station #1 Renovations	\$2,063,499	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,063,499	
	Detention Center Annex	\$0	\$0	\$0	\$11,500,000	\$0	\$3,000,000	\$36,017,308	\$31,223,807	\$0	\$0	\$0	\$0	\$81,741,115
	Main Jail Renovation	\$0	\$0	\$0	\$0	\$0	\$825,000	\$8,100,000	\$0	\$0	\$0	\$0	\$0	\$8,925,000
	Sheriff Technology Upgrade	\$599,900	\$0	\$0	\$599,400	\$0	\$0	\$0	\$599,400	\$0	\$0	\$0	\$0	\$1,798,700
Public Safety Total		\$2,663,399	\$0	\$2,052,500	\$12,099,400	\$1,200,000	\$3,825,000	\$44,117,308	\$31,823,207	\$0	\$0	\$0	\$97,780,814	
Environmental Protection	Open Space and Farm Land Acquisition	\$800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,800,000	
	New Hope Creek - Hollow Rock	\$200,720	\$300,000	\$0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$620,720	
	Timberlake Rail Trail	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$50,000	\$400,000	\$400,000	\$0	\$2,850,000	
	Utility Performance Contract	\$2,274,500	\$2,274,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,549,000	
	Stormwater Retrofit	\$0	\$0	\$200,000	\$0	\$0	\$1,000,000	\$250,000	\$250,000	\$0	\$0	\$0	\$1,700,000	
Environmental Protection Total		\$3,275,220	\$3,074,500	\$700,000	\$500,000	\$500,000	\$3,500,000	\$870,000	\$800,000	\$900,000	\$900,000	\$500,000	\$15,519,720	
Human Services	Human Services Complex	\$89,588,860	\$660,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$90,248,860	
	DSS Building Demolition	\$0	\$812,000	\$486,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,298,000	
Human Services Total		\$89,588,860	\$1,472,000	\$486,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$91,546,860	
Education	Durham Public Schools	\$330,260,205	\$0	\$0	\$0	\$36,899,313	\$31,644,750	\$21,336,869	\$10,119,068	\$0	\$0	\$0	\$430,260,205	
Education Total		\$330,260,205	\$0	\$0	\$0	\$36,899,313	\$31,644,750	\$21,336,869	\$10,119,068	\$0	\$0	\$0	\$430,260,205	
Culture And Recreation	Main Library Renovations	\$0	\$0	\$2,242,860	\$7,404,904	\$6,926,602	\$0	\$0	\$0	\$0	\$0	\$0	\$16,574,365	
	NCMLS - Exhibits, Facilities Maintenance	\$0	\$0	\$0	\$0	\$3,064,425	\$2,353,325	\$839,160	\$0	\$0	\$0	\$0	\$6,256,910	
Culture And Recreation Total		\$0	\$0	\$2,242,860	\$7,404,904	\$9,991,027	\$2,353,325	\$839,160	\$0	\$0	\$0	\$0	\$22,831,275	
Enterprise Fund	Waste Water Treatment Plant Improvements	\$11,283,883	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,283,883	
	Collection System Rehabilitation	\$3,900,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,900,000	
	Reused Waste Water Facility	\$4,012,335	\$200,000	\$0	\$2,400,000	\$300,000	\$0	\$5,600,000	\$0	\$0	\$0	\$0	\$12,512,335	
	Sludge Energy Recovery & Solar Drying	\$0	\$50,000	\$50,000	\$100,000	\$0	\$300,000	\$14,500,000	\$0	\$0	\$0	\$0	\$15,000,000	
Enterprise Fund Total		\$19,196,218	\$750,000	\$550,000	\$3,000,000	\$800,000	\$800,000	\$20,600,000	\$500,000	\$500,000	\$500,000	\$500,000	\$47,696,218	
Grand Total		\$584,665,018	\$14,679,794	\$22,504,042	\$31,635,034	\$54,751,091	\$45,246,275	\$93,406,986	\$46,581,074	\$5,642,066	\$10,764,885	\$11,460,662	\$921,336,927	

2014-2023 Capital Improvement Plan By Revenue Source



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 2014-2023 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, 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 2014-2023 capital improvement plan along with a brief description:

County Contribution: Funding directly from the County General Fund 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 2007, Durham County residents voted in a referendum giving Durham County the approval to issue up to \$207.1 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.

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.

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.

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 were issued for phase II of the Waste Water Treatment Plant (WWTP) Upgrade project after an in-depth fee study and rate change were implemented. Revenue Bonds are backed by revenue earned by the asset, in this case fees charged to customers of the WWTP.

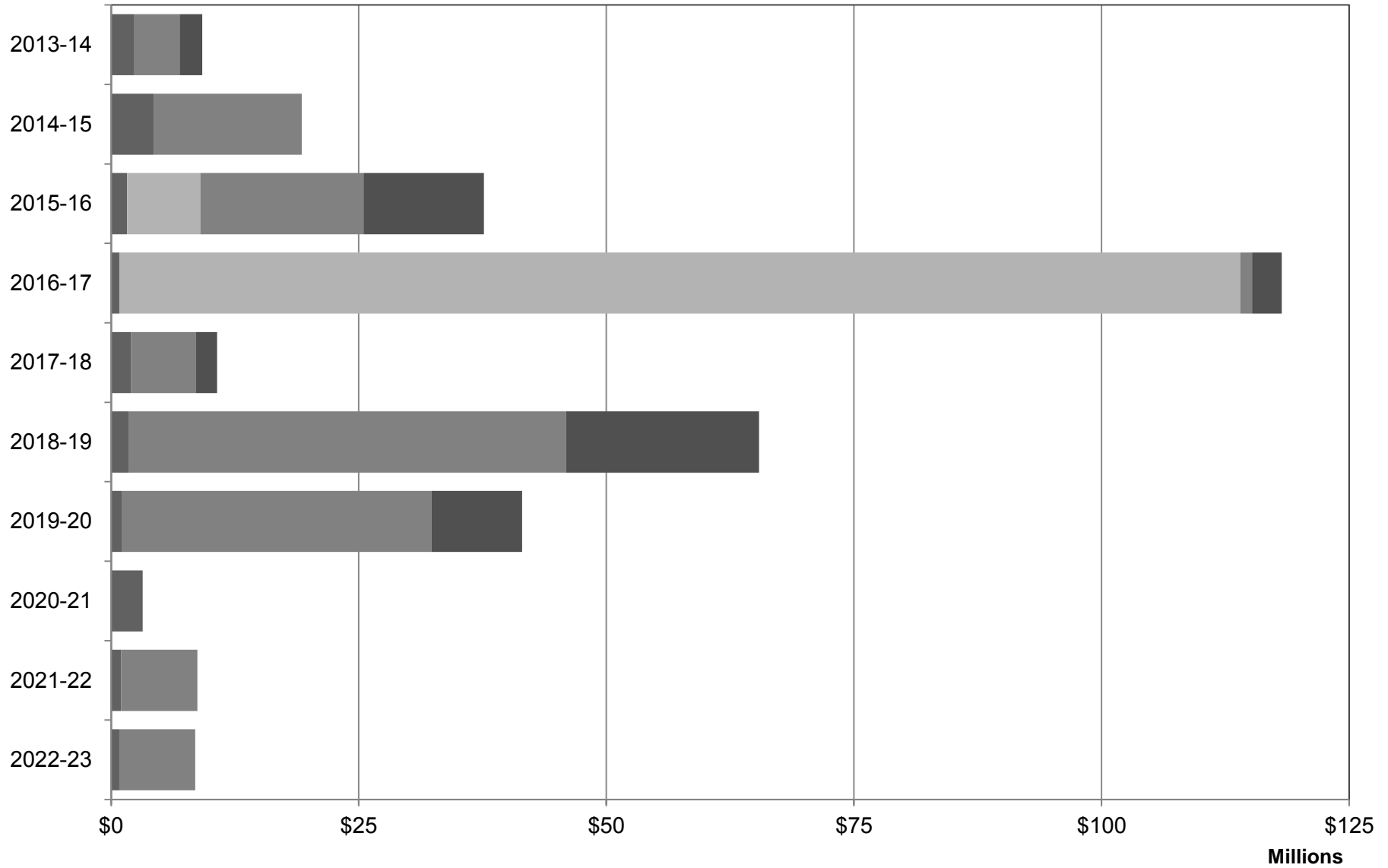
Miscellaneous Revenue: For this CIP miscellaneous revenue represents special funds supporting the county's Utility Performance Contracting project. In the past these revenues represent sources other than those listed above.

Durham County 2014-2023 Capital Improvement Plan Funding Summary

Detail	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Grand Total
County Contribution	\$17,702,413	\$2,342,468	\$4,325,847	\$1,599,755	\$820,751	\$2,032,300	\$1,798,549	\$1,106,799	\$3,167,066	\$1,029,357	\$815,134	\$36,740,439
General Obligation Bonds	\$298,763,205	\$0	\$0	\$7,404,904	\$113,183,512	\$0	\$0	\$0	\$0	\$0	\$0	\$419,351,621
Two Thirds Bonds	\$25,013,559	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,013,559
Limited Obligation Bonds	\$224,000,645	\$4,576,344	\$14,907,155	\$16,480,975	\$1,200,000	\$6,500,000	\$44,117,308	\$31,223,807	\$0	\$7,663,528	\$7,663,528	\$358,333,290
Bank Financing	\$0	\$0	\$0	\$10,152,400	\$3,000,000	\$2,168,000	\$0	\$9,160,400	\$0	\$0	\$0	\$24,480,800
Miscellaneous Revenue	\$22,510,935	\$2,274,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,785,435
Enterprise Fund	\$4,131,783	\$750,000	\$550,000	\$1,000,000	\$800,000	\$800,000	\$1,100,000	\$500,000	\$500,000	\$500,000	\$500,000	\$11,131,783
Revenue Bonds	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$19,500,000	\$0	\$0	\$0	\$0	\$21,500,000
Grand Total	\$592,122,540	\$9,943,312	\$19,783,002	\$38,638,034	\$119,004,263	\$11,500,300	\$66,515,857	\$41,991,006	\$3,667,066	\$9,192,885	\$8,978,662	\$921,336,927

The funding shown above is for all projects in the 2014-2023 Capital Improvement Plan.

2014-2023 Capital Improvement Plan Funding by Year



**Durham County 2014-2023 Capital Improvement Plan
Funding Source Summary**

Project	Detail	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-23	Grand Total
Durham County Courthouse	County Contribution	\$6,668,818	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,668,818
	Two Thirds Bonds	\$7,627,637	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,627,637
	Limited Obligation Bonds	\$104,850,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104,850,000
Durham County Courthouse Total		\$119,146,455	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$119,146,455
Judicial Building Renovation	Limited Obligation Bonds	\$1,960,999	\$3,960,568	\$10,200,671	\$0	\$0	\$0	\$0	\$0	\$0	\$16,122,238
Judicial Building Renovation Total		\$1,960,999	\$3,960,568	\$10,200,671	\$0	\$0	\$0	\$0	\$0	\$0	\$16,122,238
Administration Building Refurbishment	County Contribution	\$500,000	\$0	\$531,744	\$0	\$0	\$0	\$0	\$0	\$0	\$1,031,744
	Limited Obligation Bonds	\$0	\$0	\$0	\$4,980,975	\$0	\$0	\$0	\$0	\$0	\$4,980,975
Administration Building Refurbishment Total		\$500,000	\$0	\$531,744	\$4,980,975	\$0	\$0	\$0	\$0	\$0	\$6,012,719
County Stadium Upgrades	County Contribution	\$0	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000
	Limited Obligation Bonds	\$8,206,833	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,206,833
County Stadium Upgrades Total		\$8,206,833	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,431,833
Downtown Parking Deck	County Contribution	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$1,663,132	\$2,163,132
	Limited Obligation Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,327,056	\$15,327,056
Downtown Parking Deck Total		\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$16,990,188	\$17,490,188
County Storage Facility	Limited Obligation Bonds	\$3,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,100,000
County Storage Facility Total		\$3,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,100,000
County Facility Light Replacement	County Contribution	\$71,438	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71,438
County Facility Light Replacement Total		\$71,438	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71,438
Ongoing Parking Lot Resurfacing	County Contribution	\$0	\$241,722	\$243,553	\$160,652	\$66,885	\$55,674	\$401,722	\$256,866	\$1,033,549	\$2,460,624
Ongoing Parking Lot Resurfacing Total		\$0	\$241,722	\$243,553	\$160,652	\$66,885	\$55,674	\$401,722	\$256,866	\$1,033,549	\$2,460,624
Ongoing HVAC Replacment	County Contribution	\$0	\$0	\$0	\$77,353	\$0	\$0	\$0	\$0	\$0	\$77,353
	Limited Obligation Bonds	\$0	\$615,775	\$411,125	\$0	\$0	\$0	\$0	\$0	\$0	\$1,026,900
Ongoing HVAC Replacment Total		\$0	\$615,775	\$411,125	\$77,353	\$0	\$0	\$0	\$0	\$0	\$1,104,253
Ongoing Building Roof Replacment	County Contribution	\$0	\$113,746	\$1,864,550	\$133,751	\$253,866	\$501,626	\$198,827	\$149,932	\$14,876	\$3,231,174
Ongoing Building Roof Replacment Total		\$0	\$113,746	\$1,864,550	\$133,751	\$253,866	\$501,626	\$198,827	\$149,932	\$14,876	\$3,231,174
Enterprise Wide Software Replacement	Limited Obligation Bonds	\$4,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,500,000
	Bank Financing	\$0	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Enterprise Wide Software Replacement Total		\$4,500,000	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$7,500,000
Countywide IT Hardware Replacement	Limited Obligation Bonds	\$7,911,913	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,911,913
	Bank Financing	\$0	\$0	\$0	\$9,553,000	\$0	\$0	\$0	\$8,561,000	\$0	\$18,114,000
Countywide IT Hardware Replacement Total		\$7,911,913	\$0	\$0	\$9,553,000	\$0	\$0	\$8,561,000	\$0	\$0	\$26,025,913
Telecommunications System Upgrade	County Contribution	\$300,000	\$0	\$0	\$578,000	\$0	\$0	\$578,000	\$0	\$0	\$1,456,000
Telecommunications System Upgrade Total		\$300,000	\$0	\$0	\$578,000	\$0	\$0	\$578,000	\$0	\$0	\$1,456,000
Fiber Optic Network Infrastructure	Limited Obligation Bonds	\$781,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$781,000
Fiber Optic Network Infrastructure Total		\$781,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$781,000
Major Laserfisher Upgrade	County Contribution	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$600,000
Major Laserfisher Upgrade Total		\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$600,000
Audio-Visual Technology Replacment	Bank Financing	\$0	\$0	\$0	\$0	\$0	\$2,168,000	\$0	\$0	\$0	\$2,168,000
Audio-Visual Technology Replacment Total		\$0	\$0	\$0	\$0	\$0	\$2,168,000	\$0	\$0	\$0	\$2,168,000
Main Jail Renovation	County Contribution	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$0	\$0	\$825,000
	Limited Obligation Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$8,100,000	\$0	\$0	\$8,100,000
Main Jail Renovation Total		\$0	\$0	\$0	\$0	\$0	\$825,000	\$8,100,000	\$0	\$0	\$8,925,000
Detention Center Annex	Limited Obligation Bonds	\$0	\$0	\$0	\$11,500,000	\$0	\$3,000,000	\$36,017,308	\$31,223,807	\$0	\$81,741,115
Detention Center Annex Total		\$0	\$0	\$0	\$11,500,000	\$0	\$3,000,000	\$36,017,308	\$31,223,807	\$0	\$81,741,115
Sheriff Technology Upgrade	Limited Obligation Bonds	\$599,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$599,900
	Bank Financing	\$0	\$0	\$0	\$599,400	\$0	\$0	\$0	\$599,400	\$0	\$1,198,800
Sheriff Technology Upgrade Total		\$599,900	\$0	\$0	\$599,400	\$0	\$0	\$0	\$599,400	\$0	\$1,798,700
EMS Station #1 Renovations	County Contribution	\$1,173,499	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,173,499
	Two Thirds Bonds	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,000
	Limited Obligation Bonds	\$540,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$540,000
EMS Station #1 Renovations Total		\$2,063,499	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,063,499

**Durham County 2014-2023 Capital Improvement Plan
Funding Source Summary**

Project	Detail	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-23	Grand Total
EMS Station #3	Limited Obligation Bonds	\$0	\$0	\$2,052,500	\$0	\$0	\$0	\$0	\$0	\$0	\$2,052,500
EMS Station #3 Total		\$0	\$0	\$2,052,500	\$0	\$0	\$0	\$0	\$0	\$0	\$2,052,500
EMS Station #4 - Holloway Street Reno.	Limited Obligation Bonds	\$0	\$0	\$0	\$0	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
EMS Station #4 - Holloway Street Reno. Total		\$0	\$0	\$0	\$0	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Open Space and Farm Land Acquisition	County Contribution	\$800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$1,500,000	\$5,800,000
Open Space and Farm Land Acquisition Total		\$800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$1,500,000	\$5,800,000
Timberlake Rail Trail	County Contribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$800,000	\$850,000
	Limited Obligation Bonds	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000
Timberlake Rail Trail Total		\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$50,000	\$800,000	\$2,850,000
New Hope Creek - Hollow Rock	County Contribution	\$200,720	\$300,000	\$0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$620,720
New Hope Creek - Hollow Rock Total		\$200,720	\$300,000	\$0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$620,720
Utility Performance Contracting	Miscellaneous Revenue	\$2,274,500	\$2,274,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,549,000
Utility Performance Contracting Total		\$2,274,500	\$2,274,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,549,000
Stormwater Retrofit	County Contribution	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
	Limited Obligation Bonds	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000
Stormwater Retrofit Total		\$0	\$0	\$200,000	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$1,700,000
Human Services Complex	County Contribution	\$1,862,938	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,862,938
	Two Thirds Bonds	\$6,385,922	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,385,922
	Limited Obligation Bonds	\$82,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,000,000
Human Services Complex Total		\$90,248,860	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$90,248,860
DSS Building Demolition	County Contribution	\$0	\$812,000	\$486,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,298,000
DSS Building Demolition Total		\$0	\$812,000	\$486,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,298,000
Durham Public Schools	County Contribution	\$6,125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,125,000
	General Obligation Bonds	\$298,763,205	\$0	\$0	\$0	\$100,000,000	\$0	\$0	\$0	\$0	\$398,763,205
	Two Thirds Bonds	\$10,650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,650,000
	Miscellaneous Revenue	\$5,172,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,172,000
	Limited Obligation Bonds	\$9,550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,550,000
Durham Public Schools Total		\$330,260,205	\$0	\$0	\$0	\$100,000,000	\$0	\$0	\$0	\$0	\$430,260,205
Main Library Renovations	General Obligation Bonds	\$0	\$0	\$0	\$7,404,904	\$6,926,602	\$0	\$0	\$0	\$0	\$14,331,506
	Limited Obligation Bonds	\$0	\$0	\$2,242,860	\$0	\$0	\$0	\$0	\$0	\$0	\$2,242,860
Main Library Renovations Total		\$0	\$0	\$2,242,860	\$7,404,904	\$6,926,602	\$0	\$0	\$0	\$0	\$16,574,365
NCMLS - General Maintenance	General Obligation Bonds	\$0	\$0	\$0	\$0	\$6,256,910	\$0	\$0	\$0	\$0	\$6,256,910
NCMLS - General Maintenance Total		\$0	\$0	\$0	\$0	\$6,256,910	\$0	\$0	\$0	\$0	\$6,256,910
Waste Water Treatment Plant Improvement	Enterprise Fund	\$231,783	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$231,783
	Miscellaneous Revenue	\$11,052,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,052,100
Waste Water Treatment Plant Improvements Total		\$11,283,883	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,283,883
Collection System Rehabilitation	Enterprise Fund	\$3,900,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$1,500,000	\$8,900,000
Collection System Rehabilitation Total		\$3,900,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$1,500,000	\$8,900,000
Reused Wastewater Facility	Enterprise Fund	\$0	\$200,000	\$0	\$400,000	\$300,000	\$0	\$600,000	\$0	\$0	\$1,500,000
	Miscellaneous Revenue	\$4,012,335	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,012,335
	Revenue Bonds	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$5,000,000	\$0	\$0	\$7,000,000
Reused Wastewater Facility Total		\$4,012,335	\$200,000	\$0	\$2,400,000	\$300,000	\$0	\$5,600,000	\$0	\$0	\$12,512,335
Sludge Energy Recovery & Solar Drying	Enterprise Fund	\$0	\$50,000	\$50,000	\$100,000	\$0	\$300,000	\$0	\$0	\$0	\$500,000
	Revenue Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$14,500,000	\$0	\$0	\$14,500,000
Sludge Energy Recovery & Solar Drying Total		\$0	\$50,000	\$50,000	\$100,000	\$0	\$300,000	\$14,500,000	\$0	\$0	\$15,000,000
Grand Total		\$592,122,540	\$9,943,312	\$19,783,002	\$38,638,034	\$119,004,263	\$11,500,300	\$66,515,857	\$41,991,006	\$21,838,613	\$921,336,927

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 half of the plan shows the current debt (debt incurred previous to fiscal year 2013-14), estimated new debt (debt incurred as part of the CIP), county contribution, and reductions from the total debt (Enterprise Fund debt, which is supported by revenues created in that fund, and Industrial Incentives). 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 bottom half of the plan. It should be noted that county contribution 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;
- The county's share of the occupancy tax;
- Countywide property taxes;
- Enterprise revenues;
- Interest income.

These revenues are shown on the bottom half of the capital financing plan model along with several other smaller revenue sources, including transfers from other funds, and lease payments.

Several new revenue sources have been added to the mix since the last CIP update as Durham County is always looking for funding sources other than property tax to help support capital needs. Agreements with Durham Public Schools (DPS) have allowed the use of lottery fund to offset DPS related debt, Community Health Trust Fund revenue (payments by Duke University for leasing Durham Regional Hospital) is planned to offset debt service costs for the Human Services Complex project and other health related projects, use of voter approved Article 46 sales tax will support education related debt service, and increased SWAP fund earnings will also support capital debt service.

One final value shown in the model as revenue is revenue from parking decks servicing the American Tobacco complex. This revenue is subtracted from the amount of property tax funds needed, and therefore decreases the amount of property tax “dedicated” to the CIP.

The last portion 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, along with the estimated value of one cent on the property tax rate. By dividing those two numbers an estimated amount of property tax needed to support the CIP can be calculated. 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.

Durham County Capital Finance Model

Description	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Current G.F. Debt	\$57,478,466	\$54,790,231	\$52,942,570	\$51,175,288	\$49,615,873	\$47,388,676	\$45,315,232	\$44,280,193	\$42,786,174	\$33,530,321
Current Enterprise Debt	\$2,061,161	\$2,020,572	\$1,864,765	\$1,294,709	\$1,263,500	\$1,264,250	\$1,268,000	\$1,264,500	\$1,264,000	\$1,261,250
Current Debt Service	\$59,539,627	\$56,810,803	\$54,807,335	\$52,469,998	\$50,879,373	\$48,652,926	\$46,583,232	\$45,544,693	\$44,050,174	\$34,791,571
New Debt	\$2,393,289	\$10,801,293	\$13,191,933	\$16,938,127	\$19,252,648	\$25,538,465	\$25,740,235	\$33,557,503	\$32,929,724	\$31,132,291

County Contribution	\$2,342,468	\$4,325,847	\$1,599,755	\$820,751	\$2,032,300	\$1,798,549	\$1,106,799	\$3,167,066	\$1,029,357	\$815,134
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Total Crnt./New Debt.	\$64,275,385	\$71,937,943	\$69,599,023	\$70,228,875	\$72,164,320	\$75,989,941	\$73,430,266	\$82,269,262	\$78,009,256	\$66,738,996
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Minus Enterprise Fund	\$2,061,161	\$2,020,572	\$1,864,765	\$1,294,709	\$1,263,500	\$1,264,250	\$1,268,000	\$1,264,500	\$1,264,000	\$1,261,250
Total Reductions	\$2,061,161	\$2,020,572	\$1,864,765	\$1,294,709	\$1,263,500	\$1,264,250	\$1,268,000	\$1,264,500	\$1,264,000	\$1,261,250

Net Gen. Fund (CFP) Debt	\$62,214,224	\$69,917,371	\$67,734,258	\$68,934,166	\$70,900,820	\$74,725,691	\$72,162,266	\$81,004,762	\$76,745,256	\$65,477,746
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Revenues	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Interest Income	\$25,081	\$60,000	\$70,000	\$70,000	\$70,000	\$70,000	\$80,000	\$80,000	\$70,000	\$70,000
1/2 cent Sales 1	\$9,630,019	\$9,918,920	\$10,216,487	\$10,522,982	\$10,838,671	\$11,163,832	\$11,498,746	\$11,843,709	\$12,199,020	\$12,564,991
1/2 cent Sales 2	\$11,553,634	\$11,900,243	\$12,257,250	\$12,624,968	\$13,003,717	\$13,393,829	\$13,795,643	\$14,209,513	\$14,635,798	\$15,074,872
1/2 cent Sales 3	\$2,152,260	\$2,216,828	\$2,283,333	\$2,351,833	\$2,422,388	\$2,495,059	\$2,569,911	\$2,647,008	\$2,726,419	\$2,808,211
Occupancy Taxes	\$2,225,000	\$2,366,750	\$2,435,503	\$2,506,318	\$2,579,257	\$2,654,385	\$2,656,766	\$2,736,469	\$2,818,563	\$2,903,120
Am. Tob.Parking Rev.	\$423,929	\$423,929	\$423,929	\$423,929	\$423,929	\$423,929	\$423,929	\$423,929	\$423,929	\$423,929
New Justice Cent. Parking	\$250,000	\$300,000	\$300,000	\$300,000	\$300,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Build America Bond Refund	\$518,221	\$518,221	\$518,221	\$518,221	\$518,221	\$518,221	\$498,409	\$458,416	\$417,458	\$375,881
Com. Health Trust Fund	\$0	\$4,137,820	\$2,350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service FB Appropri.	\$25,000	\$0	\$0	\$0	\$2,161,303	\$1,563,697	\$250,000	\$250,000	\$250,000	\$250,000
Cap. Fund Bal. Appropri.	\$2,215,059	\$471,518	\$30,754	\$106,000	\$106,000	\$738,956	\$0	\$941,699	\$250,000	\$250,000
General Fund Transfer	\$233,500	\$401,500	\$406,500	\$411,500	\$418,500	\$425,500	\$428,057	\$430,557	\$438,000	\$445,500
Lottery Funds	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
SWAP Funds	\$4,808,041	\$2,751,296	\$1,657,431	\$2,624,323	\$875,260	\$2,971,038	\$915,413	\$3,397,198	\$2,000,000	\$2,000,000
Net Revenue Available	\$35,059,744	\$36,467,025	\$33,949,408	\$33,460,073	\$34,717,246	\$37,818,445	\$34,516,875	\$38,818,499	\$37,629,187	\$38,566,505

Property Tax Needed	\$27,154,479	\$33,450,347	\$33,784,850	\$35,474,093	\$36,183,574	\$36,907,246	\$37,645,390	\$42,186,263	\$39,116,068	\$26,911,242
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1 CENT Value	\$3,037,414	\$3,067,788	\$3,098,466	\$3,253,389	\$3,318,457	\$3,384,826	\$3,452,523	\$3,521,573	\$3,592,005	\$3,663,845
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Total Cents Dedicated to Capital Financing	8.94	10.90	10.90	10.90	10.90	10.90	10.90	11.98	10.89	7.35
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Revenue Assumptions:

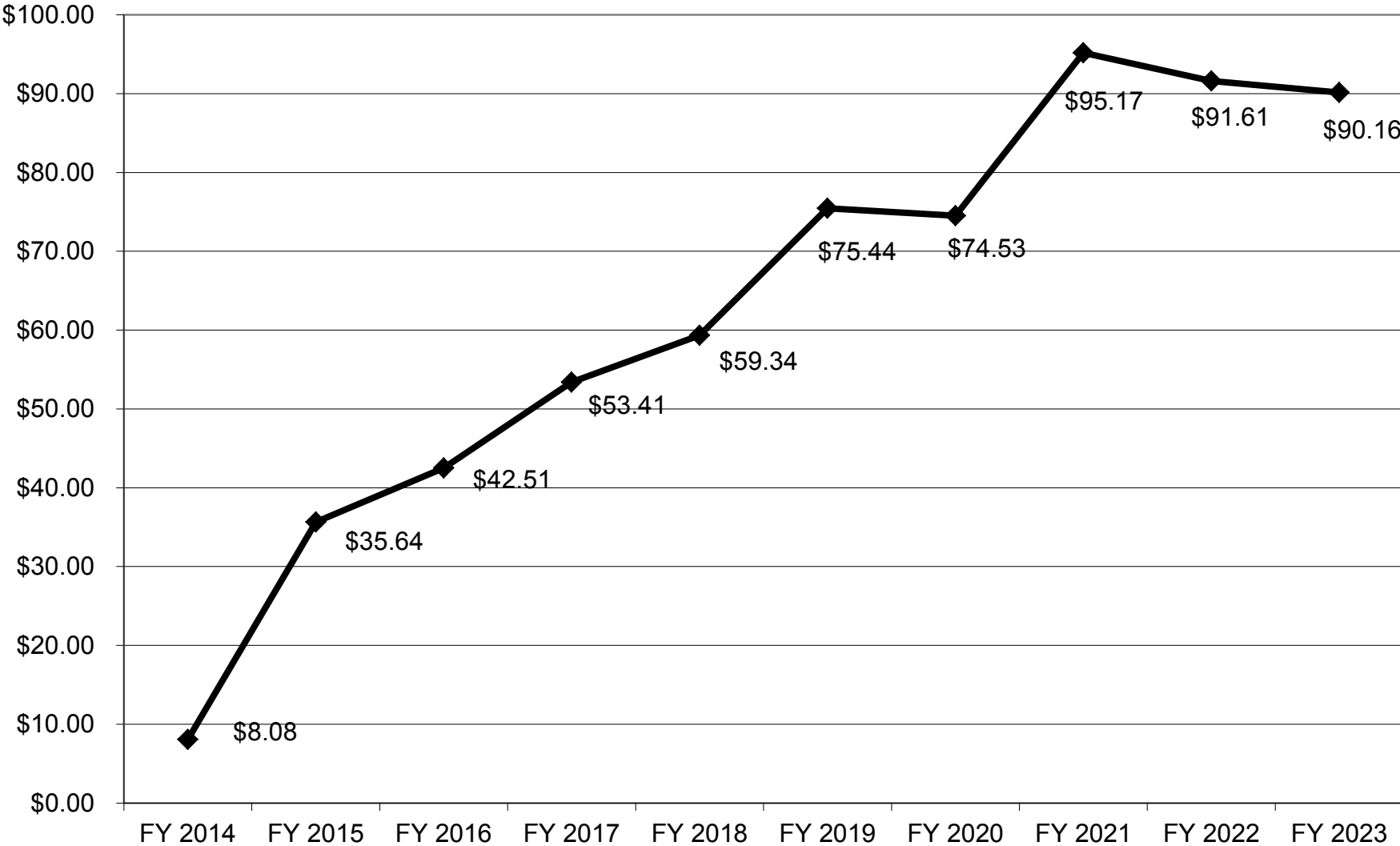
Prop. Tax Growth is estimated at 1% for non-reval. years in the future, next reval in FY 2016-17, after reval growth for non-reval years is 2%

**Reval. Property Tax Growth Rate 5% through the next revaluation effective 1/1/17, and for each eight year revaluation after that at 5%*

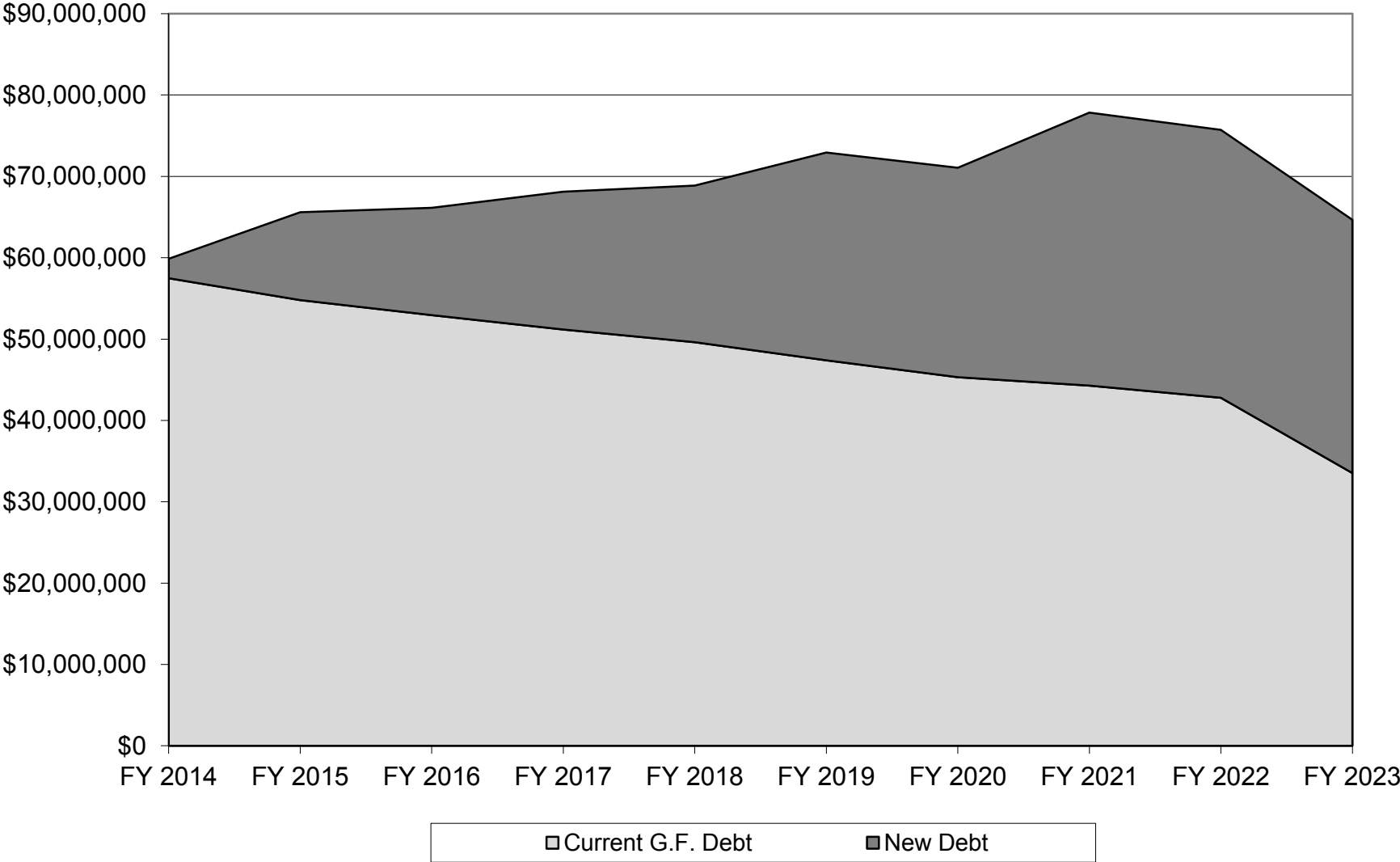
**Sales Tax growth is estimated at 1.6% for FY 2013-14, 3% thereafter*

**Occupancy Tax growth is estimated at 3%*

2014-2023 Capital Improvement Plan New Debt Service Per Capita



2014-2023 Capital Improvement Plan Existing and New Debt Service





General Fund

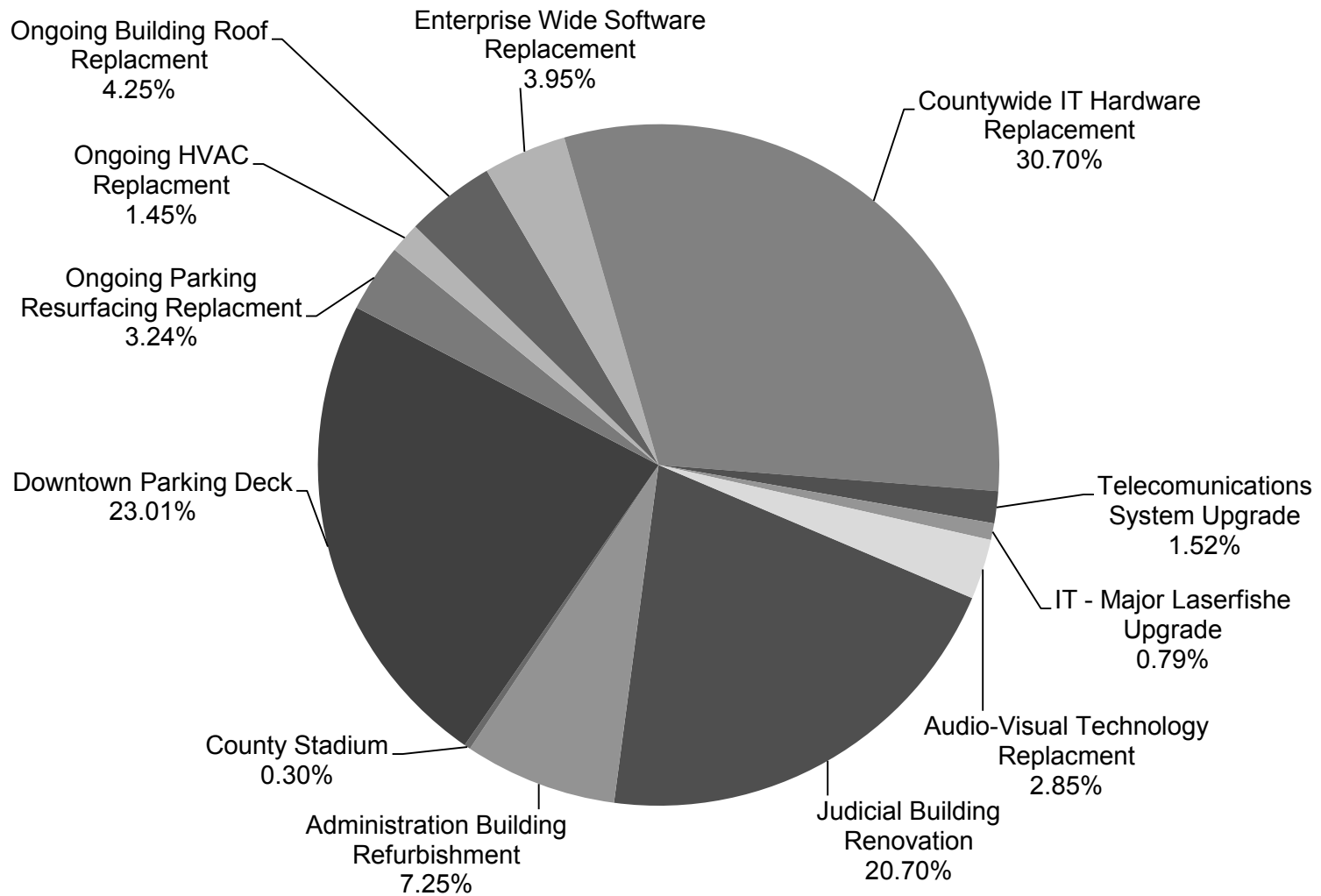
A governmental fund used to account for all financial resources except those required to be accounted for in another fund either by law or by reason of administrative control.



General Government

A function of local government charged with expenditures of the legislative and executive branches including staff departments.

2014-2023 Capital Improvement Plan General Government Projects



Judicial Building Renovations

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$347,029	\$173,514										\$520,543
Land Acquisition	\$0											\$0
Construction	\$0	\$4,001,281	\$8,484,491									\$12,485,772
Equip/Furnishings	\$0		\$634,407									\$634,407
Other	\$0		\$1,081,773									\$1,081,773
Contingencies	\$37,488	\$1,362,255										\$1,399,743
Project Total	\$384,517	\$5,537,050	\$10,200,671	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,122,238

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$1,960,999	\$3,960,568	\$10,200,671									\$16,122,238
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$1,960,999	\$3,960,568	\$10,200,671	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,122,238

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$622,912	\$634,237	\$645,562	\$656,887	\$668,054	\$679,411	\$0	\$0	\$3,907,061
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$622,912	\$634,237	\$645,562	\$656,887	\$668,054	\$679,411	\$0	\$0	\$3,907,061
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$622,912	\$634,237	\$645,562	\$656,887	\$668,054	\$679,411	\$0	\$0	\$3,907,061

Function: General Government

Department: Engineering

Project Description: This project involves renovations of the Judicial Building located at 201 East Main Street after the existing occupants have moved to the new Durham County Courthouse. This building was built in 1976 and has not had any significant renovations with many of the building systems nearing the end of their useful life. The County Facility Master Plan recommends that the building be renovated as an office building for expansion of functions currently housed in the Old Courthouse, Agriculture Building and leased spaces. These include Register of Deeds, Tax Administration, Fire Marshall/Emergency Management, Cooperative Extension, and others.

The current building configuration does not meet the needs of the departments and agencies being relocated into the building. The building requires extensive renovations in order to accommodate the proposed occupants and to meet current building codes, ADA requirements and service delivery needs. In addition, the project will include programming, space planning and exterior signage and wayfinding for the historic courthouse and current judicial building.

Administration Building Refurbishment

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0		\$531,744									\$531,744
Land Acquisition	\$0											\$0
Construction	\$500,000			\$4,206,756								\$4,706,756
Equip/Furnishings	\$0			\$221,205								\$221,205
Other	\$0											\$0
Contingencies	\$0			\$553,014								\$553,014
Project Total	\$500,000	\$0	\$531,744	\$4,980,975	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,012,719

Funding Sources												
County Contribution	\$500,000		\$531,744									\$1,031,744
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0			\$4,980,975								\$4,980,975
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$500,000	\$0	\$531,744	\$4,980,975	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,012,719

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Engineering

Project Description: The Administration Building, located at 200 East Main Street, originally was built in the 1920s and a large renovation was completed in 1991. This project is to refurbish or replace items that may have worn out or outgrown their useful life. In FY 2008-09, this project included renovations to the building's fifth floor, including skylight replacement and data center improvements. In FY 2009-10 funds were budgeted for chiller replacement along with 5th floor office reconfiguration and fire suppression system replacement. In FY 2012-13 funds were budgeted for a boiler replacement. A building condition assessment will be undertaken in FY 2014-2015 and the needed refurbishment accomplished in FY 2015-2016.

County Stadium Upgrades

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$615,500											\$615,500
Land Acquisition	\$0											\$0
Construction	\$6,506,833	\$225,000										\$6,731,833
Equip/Furnishings	\$20,000											\$20,000
Other	\$80,000											\$80,000
Contingencies	\$984,500											\$984,500
Project Total	\$8,206,833	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,431,833

Funding Sources												
County Contribution	\$0	\$225,000										\$225,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$8,206,833											\$8,206,833
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$8,206,833	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,431,833

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Engineering

Project Description: The County Stadium is an athletic stadium used for a variety of events. It is located on Stadium Drive near Duke Street just south of Durham Regional Hospital and serves as the Northern High School home football field. This project previously addressed Americans with Disabilities Act (ADA) requirements and included numerous improvements to the facility including replacement of the press box, upgrading locker rooms and public restrooms, constructing a track, installing artificial field turf, and replacing stadium seating covers. Durham Public Schools high schools and various local track teams utilize the stadium along with other special event users. Funding in FY 2013-14 is for road side electronic signage to better advertise upcoming events.

Funding in FY 2013-14 is for state of the art electronic messaging sign technology combined with a quality complimentary masonry construction pedestal. The LED display will have two faces on Stadium Drive and Duke Street. The sign's programmable display will notify events and activities being held at the Stadium. Scrolling screen can change 4 times a day to identify other activities of the County if requested.

Downtown Parking Deck

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0								\$1,497,219			\$1,497,219
Land Acquisition	\$0		\$500,000									\$500,000
Construction	\$0									\$6,805,540	\$6,805,540	\$13,611,080
Equip/Furnishings	\$0									\$136,111	\$136,111	\$272,222
Other	\$0									\$126,248	\$126,248	\$252,496
Contingencies	\$0								\$165,913	\$595,629	\$595,629	\$1,357,171
Project Total	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$1,663,132	\$7,663,528	\$7,663,528	\$17,490,188

Funding Sources												
County Contribution	\$0		\$500,000						\$1,663,132			\$2,163,132
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0									\$7,663,528	\$7,663,528	\$15,327,056
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$1,663,132	\$7,663,528	\$7,663,528	\$17,490,188

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Engineering

Project Description: This project addresses the need for additional downtown parking for the public and County employees for the new Human Services Complex, renovated Judicial Building, Administration Building, and Main Library. The parking deck will provide approximately 625 spaces and will be constructed on an existing County-owned surface parking lot bordered by Main, Liberty, and Queen streets. Funding in FY 2014-15 is for the possible purchase of downtown land for parking.

Ongoing Parking Lot Resurfacing

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$0											\$0
Other	\$0	\$219,747	\$221,412	\$146,047	\$60,804	\$50,613	\$365,202	\$233,514	\$535,507	\$117,597	\$286,485	\$2,236,929
Contingencies	\$0	\$21,975	\$22,141	\$14,605	\$6,081	\$5,061	\$36,520	\$23,352	\$53,551	\$11,760	\$28,649	\$223,695
Project Total	\$0	\$241,722	\$243,553	\$160,652	\$66,885	\$55,674	\$401,722	\$256,866	\$589,058	\$129,357	\$315,134	\$2,460,624

Funding Sources												
County Contribution	\$0	\$241,722	\$243,553	\$160,652	\$66,885	\$55,674	\$401,722	\$256,866	\$589,058	\$129,357	\$315,134	\$2,460,624
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$241,722	\$243,553	\$160,652	\$66,885	\$55,674	\$401,722	\$256,866	\$589,058	\$129,357	\$315,134	\$2,460,624

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: General Services

Project Description: The County has approximately 40 surface parking lots and parking structures with surface types of asphalt or concrete in varying conditions. Analysis of the asphalt and concrete condition of each parking facility has been undertaken by the Assistant Director of General Services. Estimates of square footage have been done and a determination of surface replacements and stripping has been estimated. The stripping and resurfacing would require contracted services. Though normally maintenance is not considered in the Capital Improvement Plan, the annual value of maintaining these resources exceed operational budget funding. Due to the number of lots that are presently owned and maintained by the County the operational impacts for these facilities are already accounted for in the budget.

Ongoing HVAC Replacement

f	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0	\$55,000										\$55,000
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$0											\$0
Other	\$0	\$504,796	\$373,750	\$65,194								\$943,740
Contingencies	\$0	\$55,980	\$37,375	\$12,159								\$105,514
Project Total	\$0	\$615,775	\$411,125	\$77,353	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,104,253

Funding Sources												
County Contribution	\$0			\$77,353								\$77,353
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0	\$615,775	\$411,125									\$1,026,900
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$615,775	\$411,125	\$77,353	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,104,253

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: General Services

Project Description: The County owns approximately 30 facilities in which General Services is responsible for maintaining the heating, air conditioning (HVAC), and building controls for these systems. These funds will be used to replace obsolete and aging equipment in facilities like Administration, Stadium, Main Library, Stadium, Youth Home, EMS 6, Fire Marshall, Animal Shelter, Detox House, Braggtown Library, and 4 Solid Waste Convenience sites. This cost includes engineering and design work for a mechanical engineering firm. It is anticipated with updated energy efficient equipment in these facilities the County will recognize energy savings and improved comfort for customers and staff.

Ongoing Building Roof Replacement

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$0											\$0
Other	\$0	\$103,405	\$1,695,045	\$121,592	\$230,787	\$456,024	\$180,752	\$136,302	\$13,524	\$0	\$0	\$2,937,431
Contingencies	\$0	\$10,341	\$169,505	\$12,159	\$23,079	\$45,602	\$18,075	\$13,630	\$1,352	\$0	\$0	\$293,743
Project Total	\$0	\$113,746	\$1,864,550	\$133,751	\$253,866	\$501,626	\$198,827	\$149,932	\$14,876	\$0	\$0	\$3,231,174

Funding Sources												
County Contribution	\$0	\$113,746	\$1,864,550	\$133,751	\$253,866	\$501,626	\$198,827	\$149,932	\$14,876	\$0	\$0	\$3,231,174
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$113,746	\$1,864,550	\$133,751	\$253,866	\$501,626	\$198,827	\$149,932	\$14,876	\$0	\$0	\$3,231,174

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: General Services

Project Description: The County has approximately 25 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. Analysis of the existing roof has been done by Building Maintenance division and determined the approximate life span that is left of the corresponding County owned facilities. Prices were tabulated using previous quote averages and R.S. Means Construction Cost Data reference for like roofs. Scheduled replacements will need to be looked at on a year to year basis, as atmospheric elements have a direct correlation to the life span of the roofs. Some roofs are connected to buildings that are slated for major renovation or demolition in the near future and those buildings have been left off the list, three (3) of those buildings are: Main Library and Judicial Building due other renovation projects, and the DSS building which is to be demolished.

Enterprise Wide Software Replacement

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$4,500,000				\$3,000,000							\$7,500,000
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$4,500,000	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500,000

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$4,500,000											\$4,500,000
Bank Financing	\$0				\$3,000,000							\$3,000,000
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$4,500,000	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500,000

Operating Impact												
Additional Expenses	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000
Minus Savings	\$0											\$0
Net Additional Expenses	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000
Minus New Revenues	\$0											\$0
Operating Total	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000

Function: General Government

Department: Information Technology

Project Description: From FY 2000-03, the County worked to identify its enterprise-wide software needs to replace accounting, budgeting, and human resources systems purchased in 1993. The SAP ERP system went live in October 2005 and is used to run the financial operations of County government including purchasing, human resources, budgeting, accounting, payroll, and training management.

To ensure continued, cost-effective support as well as enable the County to implement new SAP capabilities, SAP had its first upgrade in FY 2010-11 and an expansion of Human Resources functionality in FY 2011-12. Smaller functionality upgrades for Budget occurred in FY 2011-12 and FY 2012-13. A system upgrade is planned for FY 2016-17. Upon completion, the upgrades will place the County at the lowest cost maintenance support category and provide additional services to the public including Internet access in areas such as e-recruitment and e-procurement and gain additional functionality in the Business Warehouse, Finance, Human Resources, and Public Sector modules.

Prior year funding for this project includes upgrade funding for the ERP system budgeted in FY 2010-11.

Countywide IT Hardware Replacement

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$2,690,873	\$2,500,000	\$2,721,040	\$2,550,000	\$2,040,000	\$2,028,000	\$2,935,000	\$2,532,000	\$1,975,000	\$1,572,000	\$2,482,000	\$26,025,913
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$2,690,873	\$2,500,000	\$2,721,040	\$2,550,000	\$2,040,000	\$2,028,000	\$2,935,000	\$2,532,000	\$1,975,000	\$1,572,000	\$2,482,000	\$26,025,913

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$7,911,913											\$7,911,913
Bank Financing	\$0			\$9,553,000				\$8,561,000				\$18,114,000
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$7,911,913	\$0	\$0	\$9,553,000	\$0	\$0	\$0	\$8,561,000	\$0	\$0	\$0	\$26,025,913

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Information Technology

Project Description: Durham County has approximately 2,000 desktop computers, hundreds of switches, routers, servers, printers, mainframe systems and test equipment as part of its Information Technology (IT) needs to support its business operations. The schedule is modified as new equipment is purchased through outside projects, and as legacy equipment is removed.

Desktops and Laptops: Employee computers are replaced on a 4 year cycle to keep pace with technological advancements and to minimize costly maintenance.

Network Equipment: The county network infrastructure component such as routers, core and edge switches, firewalls, network services appliances and devices, and wireless infrastructure are replaced on a 4 to 7 year cycles to keep pace with the technological advancements and limit exposure to network failures.

Servers: County servers are replaced on a 4 year cycle to keep pace with the technological advancements and limit exposure to network failures.

Network Printers: Network connected printers are replaced on a 5-plus year cycle.

Scanners: With the growing deployment of document management this project now includes plans for the replacement of the scanners used to support the document imaging requirements on a 4 year cycle with desktop systems.

Telecommunications System Upgrade

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$300,000			\$578,000			\$578,000					\$1,456,000
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$300,000	\$0	\$0	\$578,000	\$0	\$0	\$578,000	\$0	\$0	\$0	\$0	\$1,456,000

Funding Sources												
County Contribution	\$300,000			\$578,000			\$578,000					\$1,456,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$300,000	\$0	\$0	\$578,000	\$0	\$0	\$578,000	\$0	\$0	\$0	\$0	\$1,456,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Information Technology

Project Description: Durham County improved communications services to increase applications, quicker turnaround on services and accessibility to information to prevent taxing of our telecommunications infrastructure. Implementation of this project will greatly improve services by increasing the speed of the existing data network without cost increases, decreasing the expense of current CentraNet telephone lines while adding services, enabling voice to ride the data network, and increasing the size of the Internet connection. All departments will benefit from the implementation of this project.

Scheduled replacement of the existing Call Manager and Call Center Express systems and 30 percent of end-of-life telephones will begin shortly after January 2013. Version upgrade of Call Manager, Call Center Express and Emergency Responder systems in FY 2015-16 and FY 2018-19. Remaining end-of-life phones will also be replaced in order to meet minimum requirements of the upgraded phone system.

Prior year funding shows replacement funding from FY 2013.

Major Laserfishe Upgrade

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$0											\$0
Other	\$0	\$150,000		\$150,000		\$150,000		\$150,000				\$600,000
Contingencies	\$0											\$0
Project Total	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$600,000

Funding Sources												
County Contribution	\$0	\$150,000		\$150,000		\$150,000		\$150,000				\$600,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$600,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Information Technology

Project Description: Document Imaging and Management is an enterprise resource, converting paper documents into easy-to-find electronic documents. It will be used by most County departments. This plan includes the periodic major version and functionality upgrades for the document management system. Document Imaging and Management is currently used by over 750 employees in Social Services, Public Health, Environmental Health, Human Resources and Legal; with more departments in planning stages to begin using the system in 2013-14.

The county document imaging system currently contains over 650,000 documents comprised of 45 million images, and occupying over 5 terabytes of storage on the county's storage area network (SAN). These documents previously occupied environmentally controlled storage full of paper records in filing cabinets and required dedicated staff to control and manage.

Audio-Visual Technology Replacement

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$0		\$0	\$0	\$0	\$387,900	\$1,530,100	\$250,000				\$2,168,000
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$0	\$0	\$0	\$0	\$0	\$387,900	\$1,530,100	\$250,000	\$0	\$0	\$0	\$2,168,000

Funding Sources												
County Contribution	\$0		\$0	\$0	\$0							\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0					\$2,168,000						\$2,168,000
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$2,168,000	\$0	\$0	\$0	\$0	\$0	\$2,168,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Information Technology

Project Description: In the past several years the county has installed audio visual equipment in buildings across the county. Audio visual equipment includes monitors in over 75 conference rooms, digital signage in many county buildings, the equipment used in the county commissioner's chambers, and cameras and televisions in the conference rooms of the new justice center. This technology needs to be replaced on a six year cycle in order to maintain viability and stability of the resources.

This project will replace this equipment across the county on a scheduled replacement cycle to ensure that our audio visual technology remains current, and to replace failed equipment as it reaches the end of its servicable life.

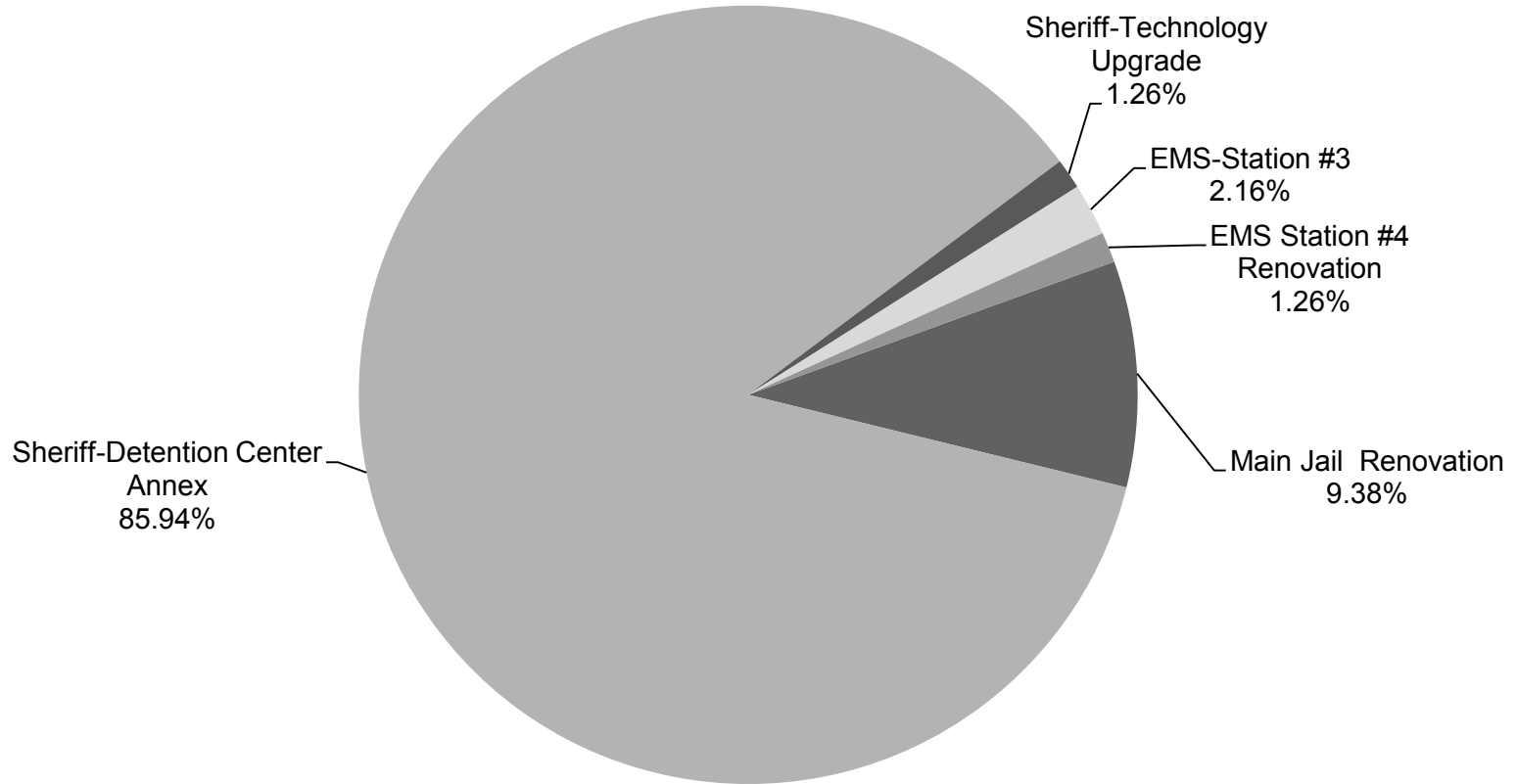
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Public Safety

A function of local government which has as its objective the protection of persons and property.

2014-2023 Capital Improvement Plan Public Safety Projects



EMS Station #3

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0		\$150,000									\$150,000
Land Acquisition	\$0		\$100,000									\$100,000
Construction	\$0		\$1,500,000									\$1,500,000
Equip/Furnishings	\$0		\$102,500									\$102,500
Other	\$0		\$50,000									\$50,000
Contingencies	\$0		\$150,000									\$150,000
Project Total	\$0	\$0	\$2,052,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,052,500

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0		\$2,052,500									\$2,052,500
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$2,052,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,052,500

Operating Impact													
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$379,801	\$391,034	\$770,834
Minus Savings	\$0												\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$379,801	\$391,034	\$770,834
Minus New Revenues	\$0												\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$379,801	\$391,034	\$770,834

Function: Public Safety

Department: Engineering

Project Description: Currently Durham EMS is located in Parking Garage #3 on the Duke Campus at 2400 Pratt Street on the ground floor of the garage. EMS responds with one vehicle from this busy location currently. There is a need for a second vehicle to be located in this area, but due to the size of vehicles, it is becoming a problem to obtain EMS vehicles that meet the height requirements in the garage. EMS is outgrowing the small facility and due to safety and health reasons will need to move from that facility at some point in the future.

This project includes the construction of a three-bay EMS station with two offices, kitchen, sleeping quarters, shower facilities, a common living area, and parking. This facility should be located in close proximity to the existing facility to maintain existing response times in this extremely busy area.

EMS Station #4 - Holloway Street Renovation

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0				\$75,000							\$75,000
Land Acquisition	\$0											\$0
Construction	\$0				\$1,000,000							\$1,000,000
Equip/Furnishings	\$0				\$75,000							\$75,000
Other	\$0											\$0
Contingencies	\$0				\$50,000							\$50,000
Project Total	\$0	\$0	\$0	\$0	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200,000

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0				\$1,200,000							\$1,200,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$0	\$0	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Public Safety

Department: Engineering

Project Description: EMS Station 4, 2725 Holloway Street is currently housing one Durham County EMS unit. This station is an older city fire station that is currently leased from the City, but may become a County asset. This station does not currently meet code, is in desperate need of repair, and needs to be updated for adequate livable conditions. For future expansion, the building needs to be expanded back to the two apparatus bays with living quarters to accommodate two EMS vehicles for the continued growth in that area of the City/County.

Detention Center Annex

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0			\$0	\$0	\$2,500,000	\$3,500,000					\$6,000,000
Land Acquisition	\$0	\$0		\$11,500,000								\$11,500,000
Construction	\$0				\$0	\$0	\$28,838,817	\$28,838,817				\$57,677,634
Equip/Furnishings	\$0				\$0		\$1,593,501					\$1,593,501
Other	\$0					\$0		\$300,000				\$300,000
Contingencies	\$0			\$0	\$0	\$500,000	\$2,084,990	\$2,084,990				\$4,669,980
Project Total	\$0	\$0	\$0	\$11,500,000	\$0	\$3,000,000	\$36,017,308	\$31,223,807	\$0	\$0	\$0	\$81,741,115

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0	\$0		\$11,500,000	\$0	\$3,000,000	\$36,017,308	\$31,223,807				\$81,741,115
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$0	\$11,500,000	\$0	\$3,000,000	\$36,017,308	\$31,223,807	\$0	\$0	\$0	\$81,741,115

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Public Safety

Department: Engineering

Project Description: This project includes consulting, planning, and construction of a secured detention facility to accommodate increased inmate population. The current operational capacity of 720 beds has been exceeded with some frequency since 2005. 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 2015-16 with planning and construction beginning in FY 2017-18 and the facility opening in FY 2019-120. The project would ensure adequate space to house inmates for the projected 2040 population.

Main Jail Renovation

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0					\$825,000						\$825,000
Land Acquisition	\$0											\$0
Construction	\$0						\$7,500,000					\$7,500,000
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$0						\$600,000					\$600,000
Project Total	\$0	\$0	\$0	\$0	\$0	\$825,000	\$8,100,000	\$0	\$0	\$0	\$0	\$8,925,000

Funding Sources												
County Contribution	\$0					\$825,000						\$825,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0						\$8,100,000					\$8,100,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$825,000	\$8,100,000	\$0	\$0	\$0	\$0	\$8,925,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Public Safety

Department: Engineering

Project Description: This project includes consulting, planning and selective renovation of an existing facility to meet the overall programming needs. The project will include extensive renovation of the intake/booking area and magistrates' offices. The scope of work will include infrastructure for video arraignment and visitation and improvements to the exterior appearance of the facility.

Sheriff Technology Upgrade

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$599,900			\$599,400				\$599,400				\$1,798,700
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$599,900	\$0	\$0	\$599,400	\$0	\$0	\$0	\$599,400	\$0	\$0	\$0	\$1,798,700

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$599,900											\$599,900
Bank Financing	\$0			\$599,400				\$599,400				\$1,198,800
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$599,900	\$0	\$0	\$599,400	\$0	\$0	\$0	\$599,400	\$0	\$0	\$0	\$1,798,700

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Public Safety

Department: Sheriff

Project Description: The Durham County Sheriff's Office Information Technology Division has made significant improvements to infrastructure and data center stability by using FY 2011/12 approved CIP funding to upgrade and/or replace key pieces of equipment. The agency has now deployed a centrally managed storage system (NetApp) that will serve as the foundation for the Sheriff's computing needs and will support the newly integrated virtual (VMware Vsphere 5.0) environment. Panasonic Toughbooks have been purchased to replace non warranty, and unreliable mobile laptop computers. Additional laptops are now being purchased to complete the replacement cycle.

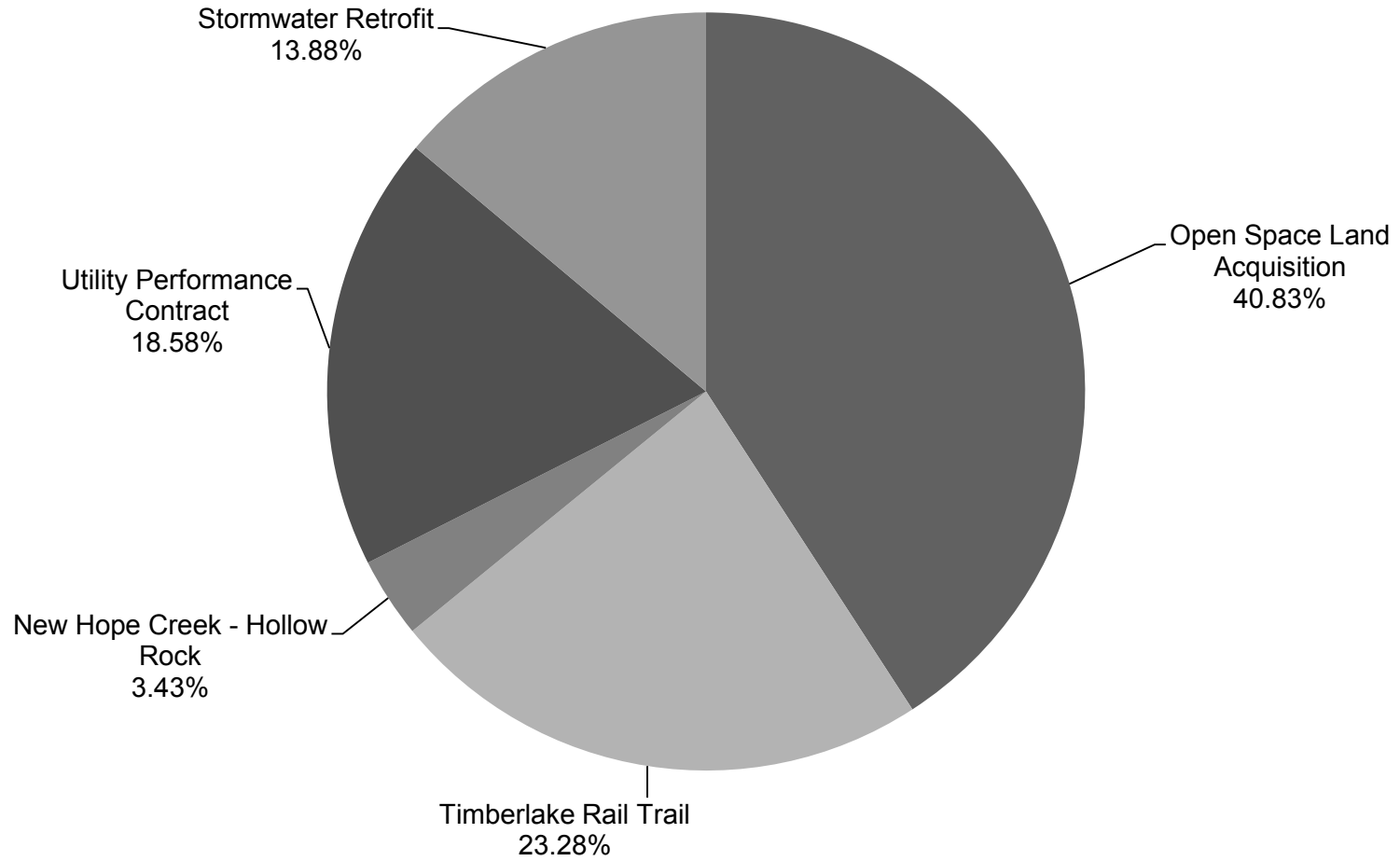
The Durham County Sheriff's Office is a 24 hour / 7 day a week public safety service that is dependent on technology to work more efficiently. The Sheriff's office has laptop computers, desktop computers, switches, servers and centralized storage. Continued CIP funding at the current level will ensure life cycle replacement of these critical hardware components to support optimal continuity of services.



Environmental Protection

A function of government which includes conservation and development of natural resources.

2014-2023 Capital Improvement Plan Environmental Protection Projects



Open Space and Farm Land Acquisition

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$800,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$5,300,000
Construction	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$500,000
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,800,000

Funding Sources												
County Contribution	\$800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,800,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$800,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,800,000

Operating Impact												
Additional Expenses	\$0	\$0	\$21,324	\$21,324	\$21,324	\$21,324	\$40,475	\$40,475	\$40,475	\$40,475	\$40,475	\$287,671
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$21,324	\$21,324	\$21,324	\$21,324	\$40,475	\$40,475	\$40,475	\$40,475	\$40,475	\$287,671
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$21,324	\$21,324	\$21,324	\$21,324	\$40,475	\$40,475	\$40,475	\$40,475	\$40,475	\$287,671

Function: Environmental Protection

Department: Engineering

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 access and trails. Lands acquired also will help to protect the County's water quality and important natural habitats identified in the Durham County Inventory of Natural Areas, Plants, and Wildlife. Lands will be acquired with easements where feasible or in fee simple. Funds will provide support for acquisition of farmland conservation easements as part of the County's farmland preservation program. Properties will be acquired from willing sellers. Acquisitions are needed to implement the County-identified project areas within adopted County open space plans, namely the New Hope, Little River Corridor, and East Durham plans. 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 also are anticipated.

Funds will also provide support for acquisition of permanent farmland conservation easements as part of the County's farmland preservation program. Farmland easements are acquired from willing sellers. The County's farmland easement program relies heavily on matching grants from the state and federal farmland preservation programs. The farms are recommended to the County Commissioners by the Durham Farmland Protection Advisory Board.

New Hope Creek - Hollow Rock

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$111,400											\$111,400
Construction	\$0	\$300,000					\$120,000					\$420,000
Equip/Furnishings	\$0											\$0
Other	\$89,320											\$89,320
Contingencies	\$0											\$0
Project Total	\$200,720	\$300,000	\$0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$620,720

Funding Sources												
County Contribution	\$200,720	\$300,000					\$120,000					\$620,720
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$200,720	\$300,000	\$0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$620,720

Operating Impact												
Additional Expenses	\$0	\$2,000	\$8,000	\$11,180	\$13,865	\$14,056	\$14,253	\$14,456	\$14,664	\$14,879	\$15,101	\$122,455
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$2,000	\$8,000	\$11,180	\$13,865	\$14,056	\$14,253	\$14,456	\$14,664	\$14,879	\$15,101	\$122,455
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$2,000	\$8,000	\$11,180	\$13,865	\$14,056	\$14,253	\$14,456	\$14,664	\$14,879	\$15,101	\$122,455

Function: Environmental Protection

Department: Engineering

Project Description: In 2008, Durham County acquired 42.8 acres owned by Duke University that straddles the Durham/Orange County line. The acquisition was the result of large public support for its preservation, and resulted in an unprecedented public-private partnership that included the City of Durham, Orange County, the Town of Chapel Hill, the Triangle Land Conservancy and the Erwin Area Neighborhood Group. In late 2008, a planning process involving all the partners was begun to determine the public uses for this property in conjunction with additional property in Orange County. By spring 2010, the Hollow Rock Access Area Master Plan had been adopted by all four jurisdictions. The plan proposes nature trails within the Durham County portion of the project, and parking, comfort facilities, and interpretative facilities within the area in Orange County.

The \$300,000 planned for FY13-14 construction costs reflects the estimated cost for Phase 1 implementation of the plan, with the likelihood that Orange County may then pay for more costs later on according to an Interlocal Agreement that addresses this time split.

Timberlake Rail Trail

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0							\$50,000				\$50,000
Land Acquisition	\$0					\$2,000,000						\$2,000,000
Construction	\$0								\$400,000	\$400,000		\$800,000
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$50,000	\$400,000	\$400,000	\$0	\$2,850,000

Funding Sources												
County Contribution	\$0							\$50,000	\$400,000	\$400,000		\$850,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0					\$2,000,000						\$2,000,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$50,000	\$400,000	\$400,000	\$0	\$2,850,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Environmental Protection

Department: Engineering

Project Description: The project is the proposed acquisition of the Durham County portion of a 19.5-mile inactive railroad corridor owned by Norfolk Southern from Downtown Durham to Timberlake in Person County. Acquisition of this corridor is seen as a unique opportunity to secure and preserve a strategic corridor to provide rail-trail recreational opportunities. County participation for the project is proposed for the portion of the corridor from the Urban Growth Boundary to the County line, totaling 8.3 miles. A construction cost of \$800,000 has been included for the development of the corridor for an unpaved rail-trail within this portion.

This rail trail corridor is supported by the Durham Trails and Greenways Master Plan, adopted by Durham County in 2011 and by the Little River Open Space Plan, adopted by Durham County in 2001. Development of the rail-trail corridor with a walking/biking trail supports the County Strategic Plan Goal 2 by increasing recreational opportunities for health and wellness.

Utility Performance Contracting

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$2,274,500	\$2,274,500										\$4,549,000
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$2,274,500	\$2,274,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,549,000

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$2,274,500	\$2,274,500										\$4,549,000
Funding Total	\$2,274,500	\$2,274,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,549,000

Operating Impact												
Additional Expenses	\$0	\$30,950	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$93,950
Minus Savings	\$0			\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,800,000
Net Additional Expenses	\$0	\$30,950	\$7,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$2,706,050
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$30,950	\$7,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$343,000	-\$2,706,050

Function: Environmental Protection

Department: Engineering

Project Description: This project will conduct utility savings performance contracting on 10 facilities resulting in significant energy and water savings in those facilities. Buildings to be included are Durham County Detention Center, Durham Center Access, Fire Marshal's Office, General Services Building, Homeless Shelter, Main Fueling Station, Operation Breakthrough, Roxboro Parking Deck, Stanford L. Warren Library and Youth Home.

Through Performance Contracting, an Energy Services Contractor (ESCO) is hired to conduct an investment grade audit of the facilities to determine what energy and water saving measures could be implemented and the return on those investments. The County selects the desired measures and arranges for financing. The ESCO implements all the desired measures within one year and the utility savings pay off the debt beginning in year two. If the measures do not result in the planned savings, the ESCO makes up the difference. The term of the ESCO contract is expected to be 15 years for the savings to payback the investment.

Stormwater Retrofit

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0		\$200,000									\$200,000
Land Acquisition	\$0											\$0
Construction	\$0					\$1,000,000	\$250,000	\$250,000				\$1,500,000
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$0	\$0	\$200,000	\$0	\$0	\$1,000,000	\$250,000	\$250,000	\$0	\$0	\$0	\$1,700,000

Funding Sources												
County Contribution	\$0		\$200,000									\$200,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0					\$1,500,000						\$1,500,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$200,000	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$1,700,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Environmental Protection

Department: Engineering

Project Description: In 2009 and 2010, NC Legislation was approved to mandate stricter stormwater controls for all local governments within the Falls and Jordan Lake drainage basins. The nutrient management rules include controlling several sources such as new development and agriculture. Both also have rules that require stricter nutrient effluent limits for existing development (ED) with implementation deadlines in the near future. The ED rules require that the NC Division of Water Quality produce a model ordinance and an actual baseline nutrient loading from all sources within the county in 2014 and therefore it is necessary for the county's stormwater staff to start planning for implementation. With only the ED rules to work with at this time, a consultant will be required to assist the county to create a program that efficiently meets the rule reduction goals. This consultant can not only help in reviewing the published model ordinance and develop a strategy to proceed, but can also review and recommend possible funding sources.

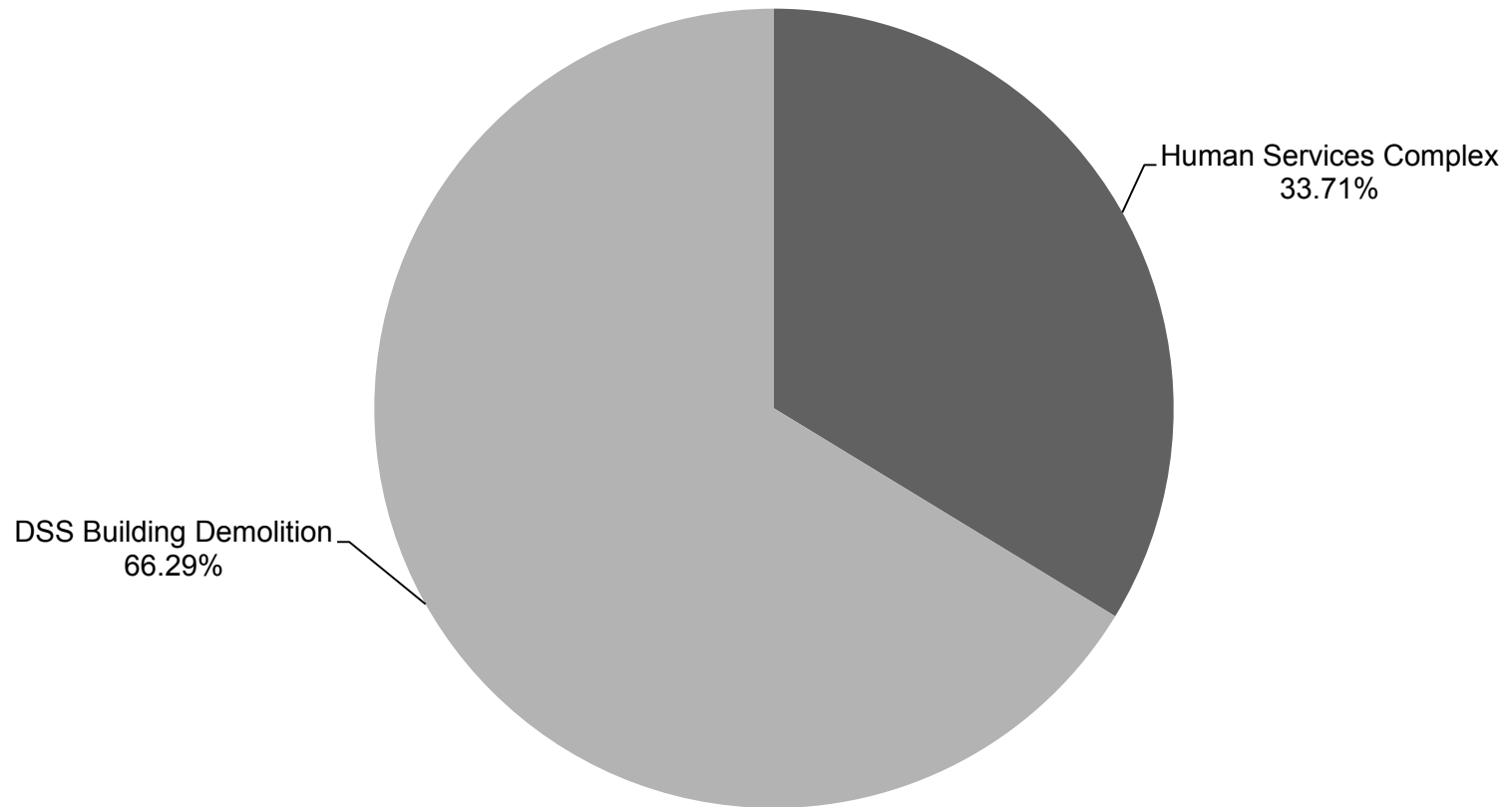
BMPs are stormwater collection and detention devices that control stormwater runoff volume and possibly nutrients. Retrofitting existing BMPs increases the water volume capacity and capability to reduce nutrient effluent amounts. Where and how this will be done will be determined in the next few years.



Human Services

A function of local government which is charged with expenditures for the public welfare including public health, mental health, hospitals, and social services.

2014-2023 Capital Improvement Plan Human Services Projects



DSS Building Demolition

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0	\$110,000	\$0									\$110,000
Land Acquisition	\$0		\$0									\$0
Construction	\$0	\$650,000	\$450,000									\$1,100,000
Equip/Furnishings	\$0		\$0									\$0
Other	\$0		\$0									\$0
Contingencies	\$0	\$52,000	\$36,000									\$88,000
Project Total	\$0	\$812,000	\$486,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,298,000

Funding Sources												
County Contribution	\$0	\$812,000	\$486,000									\$1,298,000
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$812,000	\$486,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,298,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Human Services

Department: Engineering

Project Description: This project is to demolish the existing Social Services Building located at 220 East Main Street following the completion of the construction new Human Services Building. This space will be redeveloped as a public plaza.

The Space Needs Analysis and Facility Master Plan included the Human Services building as a viable way to meet the County's Human Services Agencies Facility needs. The new Human Services building phase II which is currently under construction will house the Department of Social Services. The Carmichael Building and DSS buildings are not needed upon completion of this project.

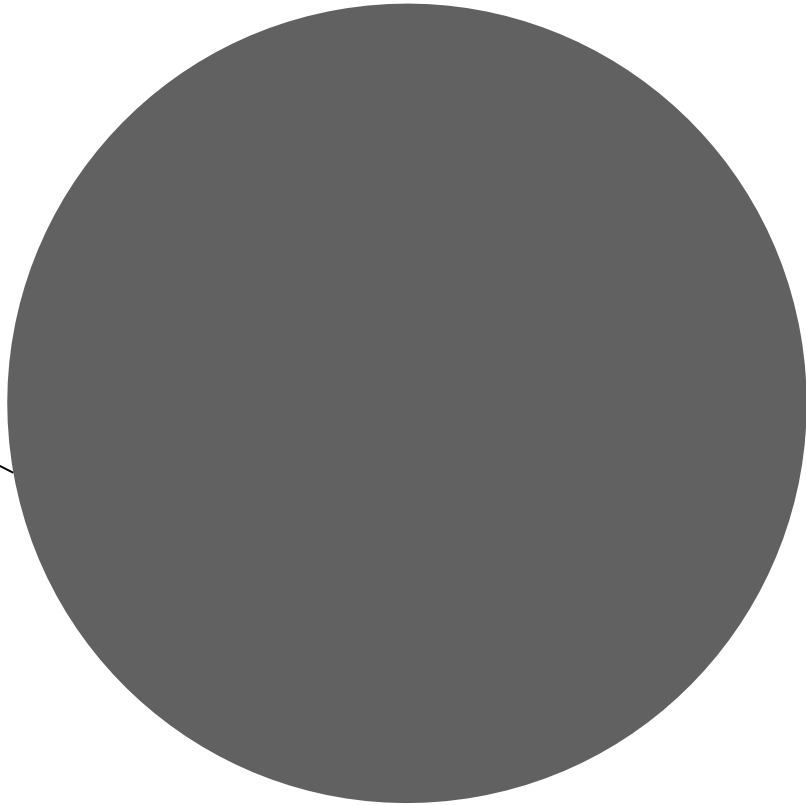


Education

A function of local government which provides direct financial support to public school systems within the county.

2014-2023 Capital Improvement Plan Education Projects

Durham Public Schools
100.0%

A pie chart with a single dark gray slice representing 100% of the total. A leader line connects the text label to the slice.

Durham Public Schools

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$3,950,000											\$3,950,000
Construction	\$316,185,205											\$316,185,205
Equip/Furnishings	\$0											\$0
Other	\$10,125,000				\$36,899,313	\$31,644,750	\$21,336,869	\$10,119,068				\$110,125,000
Contingencies	\$0											\$0
Project Total	\$330,260,205	\$0	\$0	\$0	\$36,899,313	\$31,644,750	\$21,336,869	\$10,119,068	\$0	\$0	\$0	\$430,260,205

Funding Sources												
County Contribution	\$6,125,000											\$6,125,000
General Obligation Bonds	\$298,763,205				\$100,000,000							\$398,763,205
Two Thirds Bonds	\$10,650,000											\$10,650,000
Limited Obligation Bonds	\$9,550,000											\$9,550,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$5,172,000											\$5,172,000
Funding Total	\$330,260,205	\$0	\$0	\$0	\$100,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$430,260,205

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Education

Department: Durham Public Schools

Project Description: Durham Public Schools facility growth, additions, and renovations continue to be the largest component of the Durham County Capital Improvement Program (CIP). The passage of a \$194.2 million general obligation (GO) bond referendum in November 2007 significantly updated this ongoing project.

The bonds support upgrades to 11 elementary schools, building one new elementary school, purchase land for another, and upgrade system-wide playgrounds. Two middle schools will be upgraded and a new one built. Two high schools will be upgraded and one will be renovated. A planned new High School using 2007 GO Bond funds has been removed due to changing student growth patterns and the funds originally allotted for that project directed to various other school projects including technology upgrades. Additionally, the County purchased the Lakewood YMCA property for school purposes. Through a series of lease agreements with Durham Public Schools and the YMCA of the Triangle, the property has become a secondary school and Durham Public Schools will lease a portion to the YMCA.

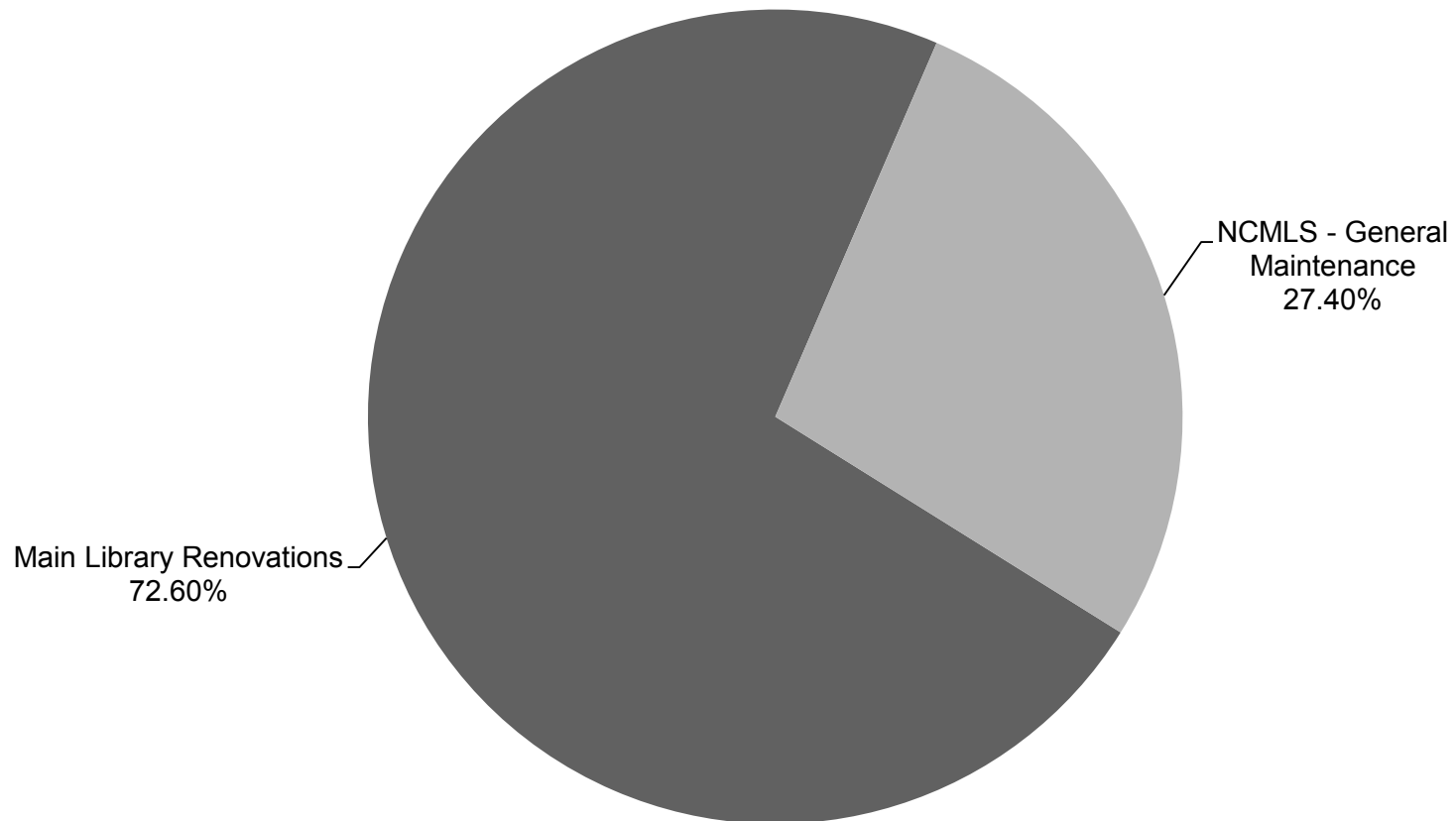
Future funding needs have changed to reflect a slowdown in student growth and the overall financial constraints of a large capital program. A previously planned GO Bond referendum for FY 2011-12 has been moved outside this 10 year CIP span.



Culture/Recreation

A function of local government comprised of cultural and recreational activities maintained for the benefit of residents and visitors.

2014-2023 Capital Improvement Plan Culture And Recreation Projects



Main Library Renovations

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0		\$1,681,060									\$1,681,060
Land Acquisition	\$0											\$0
Construction	\$0			\$4,854,673	\$4,854,673							\$9,709,347
Equip/Furnishings	\$0			\$1,502,963	\$834,980							\$2,337,943
Other	\$0			\$561,800	\$751,482							\$1,313,282
Contingencies	\$0		\$561,800	\$485,467	\$485,467							\$1,532,734
Project Total	\$0	\$0	\$2,242,860	\$7,404,904	\$6,926,602	\$0	\$0	\$0	\$0	\$0	\$0	\$16,574,365

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0			\$7,404,904	\$6,926,602							\$14,331,506
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0		\$2,242,860									\$2,242,860
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$2,242,860	\$7,404,904	\$6,926,602	\$0	\$0	\$0	\$0	\$0	\$0	\$16,574,365

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Culture & Recreation

Department: Engineering

Project Description: The Main Library opened its current location at 300 North Roxboro Street in 1980. The increased demand for library services has resulted in a need for additional space and incorporation of technological improvements. In FY 2007-08, this project funded the installation of radio frequency identification (RFID) tags in library materials funded with County contribution and two-thirds general obligation bonds.

The increased demand for library services has resulted in a need for a reconfiguration of space and incorporation of technological improvements to this facility. In FY 2014-15, planning will occur to assess the additional space and equipment needs of the Main Library with construction occurring in the following two years.

NCMLS Exhibits, Facilities, Learning Labs Maintenance and Renewal

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0				\$132,362	\$180,440	\$14,020					\$326,822
Land Acquisition	\$0											\$0
Construction	\$0				\$1,314,686	\$1,337,804	\$210,647					\$2,863,137
Equip/Furnishings	\$0				\$1,472,054	\$714,718	\$548,769					\$2,735,541
Other	\$0											\$0
Contingencies	\$0				\$145,323	\$120,363	\$65,724					\$331,410
Project Total	\$0	\$0	\$0	\$0	\$3,064,425	\$2,353,325	\$839,160	\$0	\$0	\$0	\$0	\$6,256,910

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0				\$6,256,910							\$6,256,910
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$0	\$0	\$0	\$6,256,910	\$0	\$0	\$0	\$0	\$0	\$0	\$6,256,910

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$33,125	\$106,625	\$260,375	\$260,375	\$260,375	\$260,375	\$260,375	\$1,441,625
Minus Savings	\$0						\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$20,000
Net Additional Expenses	\$0	\$0	\$0	\$0	\$33,125	\$106,625	\$256,375	\$256,375	\$256,375	\$256,375	\$256,375	\$1,421,625
Minus New Revenues	\$0				\$78,564	\$78,564	\$120,488	\$120,488	\$120,488	\$120,488	\$184,336	\$823,414
Operating Total	\$0	\$0	\$0	\$0	-\$45,439	\$28,061	\$135,887	\$135,887	\$135,887	\$135,887	\$72,039	\$598,211

Function: Culture & Recreation

Department: NC Museum of Life & Science

Project Description: This project encompasses Museum priorities for maintenance and renewal during the 2014-2023 timeframe and includes many spaces that have been in service for up to 20 years, along with smaller maintenance projects in spaces in use for approximately 10 years, as well as important investments in the ability to serve visitors and sustainability projects. This project includes: maintenance and refurbishment of exhibits areas including Farmyard, Carolina Wildlife, Explore the Wild and Dinosaur Trail, renovation of the lobby gift shop to meet the function required for admissions as well as earned income, and maintain and refurbish 4 classrooms to serve educational programming for topics including early childhood learning and development, biology/human body, ecosystem/field station and robotics/engineering.

The Carolina Wildlife exhibit will be 30 years old, requiring a significant maintenance project to address exhibit and animal life support needs. The Lobby gift shop renovation will enable a cost-effective inclusion of 1,500 square feet to support light food service and meet visitor needs for additional space and function and the museum has five indoor learning labs and two outdoor classrooms which receive heavy use. Four of the indoor classrooms will be renovated with thematic learning environments and provide state-of-the-art equipment to support materials-rich science explorations as well as improved functionality

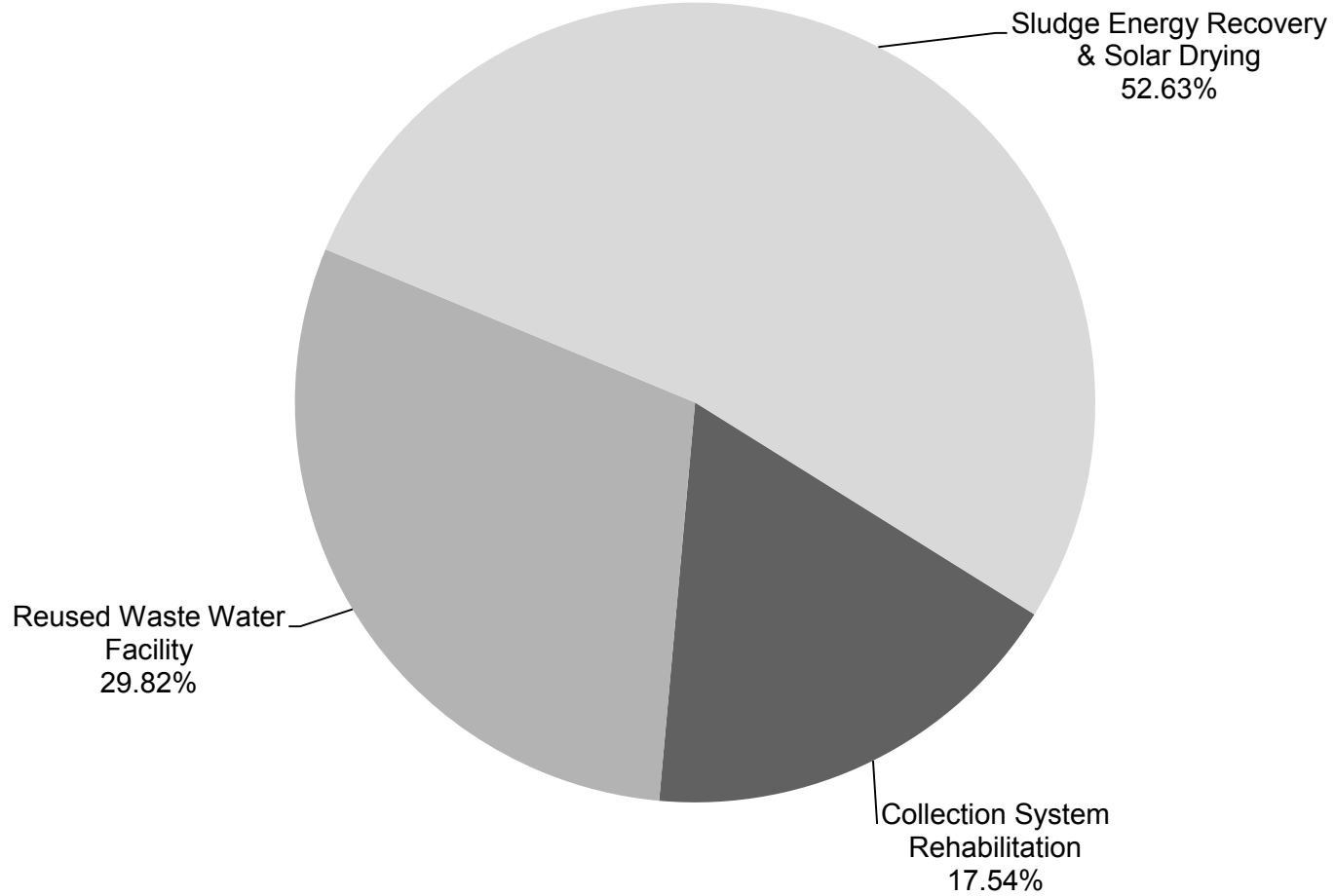
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Enterprise Fund

A fund established to account for operations that are financed and operated in a manner similar to private business in that the services provided are financed through user charges. Water and sewer operations, and enterprise debt service are included in the Enterprise Fund.

2014-2023 Capital Improvement Plan Enterprise Fund Projects



Collection System Rehabilitation

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$150,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$650,000
Land Acquisition	\$0											\$0
Construction	\$3,600,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$7,600,000
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$150,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$650,000
Project Total	\$3,900,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,900,000

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$3,900,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,900,000
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$3,900,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,900,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Enterprise Fund

Department: Engineering

Project Description: Durham County owns and maintains more than 84 miles of sewer main with eleven 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 station 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. Recently, the manhole rim elevation to floodplain elevation was mapped for all County manholes. There are many manholes which will be raised to prevent floodwater from flowing into the sewer system during heavy rain events. At the conclusion of the current Stirrup Iron Creek Pump Station piping rehabilitation project an additional improvement to install a grinder will be completed. Two problematic pump stations have had odor/corrosion control chemical feed systems installed and the results are positive. Other pump stations will be considered for corrosion control chemical feed.

Reused Wastewater Facility

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$97,205	\$200,000			\$300,000							\$597,205
Land Acquisition	\$0											\$0
Construction	\$3,462,335			\$2,000,000			\$5,000,000					\$10,462,335
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$452,795			\$400,000			\$600,000					\$1,452,795
Project Total	\$4,012,335	\$200,000	\$0	\$2,400,000	\$300,000	\$0	\$5,600,000	\$0	\$0	\$0	\$0	\$12,512,335

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0	\$200,000		\$400,000	\$300,000		\$600,000					\$1,500,000
Revenue Bonds	\$0			\$2,000,000			\$5,000,000					\$7,000,000
Miscellaneous Revenue	\$4,012,335											\$4,012,335
Funding Total	\$4,012,335	\$200,000	\$0	\$2,400,000	\$300,000	\$0	\$5,600,000	\$0	\$0	\$0	\$0	\$12,512,335

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Enterprise Fund

Department: Engineering

Project Description: This project will provide industrial users in RTP the option of an inexpensive and reliable source of non-potable water; which has many potential uses including, but not limited to, industrial processes, building cooling systems, and irrigation. The relative cost of the reclaimed water (versus potable water) makes the reclaimed water a low cost, attractive option, potentially saving customers thousands of dollars, annually; and providing an additional revenue stream for the County.

The existing reclaimed water distribution system will be extended into the Research Triangle Park (RTP) to provide a source of non-potable water for companies to use in industrial applications and landscape irrigation. Currently, the Triangle Wastewater Treatment Plant produces reclaimed water for the Town of Cary and has the first mile of a distribution system in RTP, along Hopson Road. The project has a phased plan for extensions to the north to serve customers with large cooling water demands.

Sludge Energy Recovery and Solar Drying

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0	\$50,000	\$50,000	\$100,000		\$300,000	\$500,000					\$1,000,000
Land Acquisition	\$0											\$0
Construction	\$0						\$13,000,000					\$13,000,000
Equip/Furnishings	\$0											\$0
Other	\$0											\$0
Contingencies	\$0						\$1,000,000					\$1,000,000
Project Total	\$0	\$50,000	\$50,000	\$100,000	\$0	\$300,000	\$14,500,000	\$0	\$0	\$0	\$0	\$15,000,000

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0	\$50,000	\$50,000	\$100,000		\$300,000						\$500,000
Revenue Bonds	\$0						\$14,500,000					\$14,500,000
Miscellaneous Revenue	\$0											\$0
Funding Total	\$0	\$50,000	\$50,000	\$100,000	\$0	\$300,000	\$14,500,000	\$0	\$0	\$0	\$0	\$15,000,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Enterprise Fund

Department: Engineering

Project Description: Sludge generated at the Wastewater Treatment Plant contains significant amounts of volatile solids, which when anaerobically digested (digested without oxygen) generate methane. Methane is a fuel source which can be burned in a generator to produce energy, and waste heat may be used to improve the efficiency of the digester. A secondary benefit is that if the sludge is thermophilically digested for sufficient time, it can meet Class A biosolids requirements and be used for fertilizer by the public. This is considered a best practice by the National League of Cities. The digested and centrifuged biosolids then can be solar dried to produce an approximately 80% dry solids material for local distribution to the public. Excess biosolids (either dried or dewatered) would be sent to off-site contractors for distribution with compost.

This project will reduce the wastewater treatment plant electrical costs, and reduce the cost of sludge treatment and disposal. A final product suitable for use by the local public will be available. This project will also reduce the County's dependence upon a private contractor for sludge treatment and disposal. The final product will be reduced in total dry solids weight by 20% to 40%, and approximately 80% dried solids. If this final material is sent for offsite composting, the volume and weight reduction will be approximately 80% as compared to the process as installed in 2010. As the cost for contract disposal is directly tied to the weight of the product, and 20% reduction in contract disposal cost would be expected.



Addendum

Durham County Courthouse

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$10,823,611											\$10,823,611
Land Acquisition	\$8,456,818											\$8,456,818
Construction	\$74,974,000											\$74,974,000
Equip/Furnishings	\$13,435,442											\$13,435,442
Other	\$6,167,999											\$6,167,999
Contingencies	\$5,288,586											\$5,288,586
Project Total	\$119,146,455	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$119,146,455

Funding Sources												
County Contribution	\$6,668,818											\$6,668,818
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$7,627,637											\$7,627,637
Limited Obligation Bonds	\$104,850,000											\$104,850,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$119,146,455	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$119,146,455

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Engineering

Project Description: As part of the Durham County Facility Master Plan completed in 2000 and amended in 2003, a new Durham County Courthouse and Parking Structure was identified as the highest priority building need for the County. Offices housed in the new building include: Office of the Sheriff, Clerk of Courts, District Court, Superior Court, Public Defender's Office, District Attorney's Office, and Trial Court Administration. Representatives of Community Corrections, Criminal Justice Resource Center, Juvenile Justice, Guardian Ad Litem and building support will also be located in the building. This project includes construction of a new 318,533 square foot, eleven-story building of steel frame construction, natural stone and precast concrete exterior wall and a new 298,600 square foot, 897 spaces, five level parking deck of precast concrete construction. The new Durham County Courthouse is a "Leadership in Energy and Environmental Design (LEED) Gold" building located adjacent to the Durham County Detention Center. The new Durham County Courthouse officially opened in February 2013.

County Storage Facility

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$510,000											\$510,000
Land Acquisition	\$0											\$0
Construction	\$2,100,000											\$2,100,000
Equip/Furnishings	\$100,000											\$100,000
Other	\$50,000											\$50,000
Contingencies	\$340,000											\$340,000
Project Total	\$3,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,100,000

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$3,100,000											\$3,100,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$3,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,100,000

Operating Impact												
Additional Expenses	\$0	\$31,000	\$13,425	\$14,096	\$14,801	\$15,541	\$16,318	\$17,134	\$17,991	\$18,890	\$19,835	\$179,032
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$31,000	\$13,425	\$14,096	\$14,801	\$15,541	\$16,318	\$17,134	\$17,991	\$18,890	\$19,835	\$179,032
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$31,000	\$13,425	\$14,096	\$14,801	\$15,541	\$16,318	\$17,134	\$17,991	\$18,890	\$19,835	\$179,032

Function: General Government

Department: Engineering

Project Description: This project includee the acquisition of a facility to store County property on Hillsborough Road. Previously, County property was housed in the Carmichael Building, which was sold once the Human Services Complex was complete. Facility renovations were necessary to support County requirements. County requirements for the facility include a location in or near downtown with space in excess of 30,000 square feet and at least one loading dock as well as limited heating (no air conditioning at this time) and the ability to house equipment. The facility would have limited need to support office functions.

County Facilities Light Replacement

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$0											\$0
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$71,438											\$71,438
Other	\$0											\$0
Contingencies	\$0											\$0
Project Total	\$71,438	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71,438

Funding Sources												
County Contribution	\$71,438	\$0										\$71,438
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$71,438	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71,438

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: General Services

Project Description: This project replaces 5,441 T-12 fluorescent light fixtures, 12,574 lamps covering approximately 577,945 square feet of County owned facilities with new and more energy efficient fluorescent fixtures. Federal regulations are phasing out existing lighting fixtures for more efficient systems with the potential of substantial energy costs savings.

Fiber Optic Network Infrastructure

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$15,000											\$15,000
Land Acquisition	\$0											\$0
Construction	\$0											\$0
Equip/Furnishings	\$725,000											\$725,000
Other	\$0											\$0
Contingencies	\$41,000											\$41,000
Project Total	\$781,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$781,000

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$781,000											\$781,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$781,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$781,000

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: General Government

Department: Information Technology

Project Description: This project funds the installation of a fiber optic network infrastructure to link County facilities to the central node of the County network in the Administration building. Installation was conducted in three phases. The first phase included the Administration building, the new Human Services building, Criminal Justice Resource Center, and General Services. The second phase included the Main Library, Judicial Annex, Judicial building, and City Hall (for future connection to the City network). The third phase and final phase connected the Detention center and new Justice Center.

The County's departments are increasingly dependent on Information Technology network infrastructure for access to business applications, data stores including our centralized document management and other network resources. Currently, most inter site network connectivity is leased. Leased cost increase with bandwidth requirements exponentially. Installation of fiber optic infrastructure is critical to maintaining pace with increasing bandwidth demands of business departments. The initial costs of the fiber optic infrastructure will provide a return on that investment through the eliminated leased circuit costs.

EMS Station #1 Renovations

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$212,090											\$212,090
Land Acquisition	\$0											\$0
Construction	\$1,477,685											\$1,477,685
Equip/Furnishings	\$63,005											\$63,005
Other	\$107,400											\$107,400
Contingencies	\$203,319											\$203,319
Project Total	\$2,063,499	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,063,499

Funding Sources												
County Contribution	\$1,173,499											\$1,173,499
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$350,000											\$350,000
Limited Obligation Bonds	\$540,000											\$540,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$2,063,499	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,063,499

Operating Impact												
Additional Expenses	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500
Minus Savings	\$0											\$0
Net Additional Expenses	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500
Minus New Revenues	\$0											\$0
Operating Total	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500

Function: Public Safety

Department: Engineering

Project Description: Emergency Medical Services (EMS) Station Number 1 Building, located on Stadium Drive by Durham Regional Hospital, was constructed in 1979-1980. The project scope of work includes a needed renovation and expansion of the administrative office space and crew living quarters, including required improvements to vehicle bays and site and dealing with issues of moisture infiltration into the building. This project will add approximately 762 square feet of space to the existing office/sleeping quarters. The expansion and renovation of crew quarters will provide a larger and more functional layout to meet current and future needs and create a better work environment for EMS crews. This will also bring the building up to current building and ADA codes.

Human Services Complex

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$8,818,693											\$8,818,693
Land Acquisition	\$3,323,075											\$3,323,075
Construction	\$54,665,000											\$54,665,000
Equip/Furnishings	\$15,751,808											\$15,751,808
Other	\$2,368,504	\$600,000										\$2,968,504
Contingencies	\$4,661,780	\$60,000										\$4,721,780
Project Total	\$89,588,860	\$660,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$90,248,860

Funding Sources												
County Contribution	\$1,862,938											\$1,862,938
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$6,385,922											\$6,385,922
Limited Obligation Bonds	\$82,000,000											\$82,000,000
Bank Financing	\$0											\$0
Enterprise Fund	\$0											\$0
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$0											\$0
Funding Total	\$90,248,860	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$90,248,860

Operating Impact												
Additional Expenses	\$0	\$1,030,194	\$1,048,514	\$1,066,834	\$1,085,154	\$1,103,602	\$1,122,363	\$1,141,443	\$1,160,848	\$0	\$0	\$8,758,951
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$1,030,194	\$1,048,514	\$1,066,834	\$1,085,154	\$1,103,602	\$1,122,363	\$1,141,443	\$1,160,848	\$0	\$0	\$8,758,951
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$1,030,194	\$1,048,514	\$1,066,834	\$1,085,154	\$1,103,602	\$1,122,363	\$1,141,443	\$1,160,848	\$0	\$0	\$8,758,951

Function: Human Services

Department: Engineering

Project Description: The Durham County Human Services building centralized facilities for Social Services and Public Health. It also houses some employees of Alliance Behavioral Healthcare LME (formerly Mental Health) The project is a 277,590 square feet building and has been constructed in two phases on the site of the old Public Health Department. This project consolidates delivery of human services, which will improve service delivery through the provision of centralized facilities as the agencies often serve the same clients. The new Durham County Human Services building will be a "Leadership in Energy and Environmental Design (LEED) Gold" building. The project also includes land acquisition costs for a 404-space parking lot across the street from the Durham County Human Services building.

The Space Needs Analysis and Facility Master Plan includes the Durham County Human Services building as a viable way to meet the County's human services agency facility needs. Upon completion, the Carmichael Building will be sold and the DSS Building on Main Street will be demolished. Phase one of the project has been completed and is currently occupied, phase two will be completed in late FY 2013-14.

County Wastewater Treatment Plant Improvements

Project Cost Estimates	Prior Years	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total Project
Planning	\$589,000											\$589,000
Land Acquisition	\$0											\$0
Construction	\$9,463,100											\$9,463,100
Equip/Furnishings	\$0											\$0
Other	\$231,783											\$231,783
Contingencies	\$1,000,000											\$1,000,000
Project Total	\$11,283,883	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,283,883

Funding Sources												
County Contribution	\$0											\$0
General Obligation Bonds	\$0											\$0
Two Thirds Bonds	\$0											\$0
Limited Obligation Bonds	\$0											\$0
Bank Financing	\$0											\$0
Enterprise Fund	\$231,783											\$231,783
Revenue Bonds	\$0											\$0
Miscellaneous Revenue	\$11,052,100											\$11,052,100
Funding Total	\$11,283,883	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,283,883

Operating Impact												
Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus Savings	\$0											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues	\$0											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Function: Enterprise Fund

Department: Engineering

Project Description: This project provides multiple improvements to the wastewater treatment plant, including improved safety conditions, increased level of treatment, and increased capacity of the plant. The improvements will double the capacity from 6 million gallons to 12 million gallons per day. The completed improvements include new biological nutrient removal (BNR) facilities to remove nitrogen and phosphorous as part of the treatment process.

Funding for Phase III of the Waste Water Treatment Plant improvements was supported by a state Revolving Fund loan approved in FY 2010-11. Phase III was a biosolids handling facility with a better technology proposed than in the original plans resulting in significantly less volume for ultimate disposal.

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