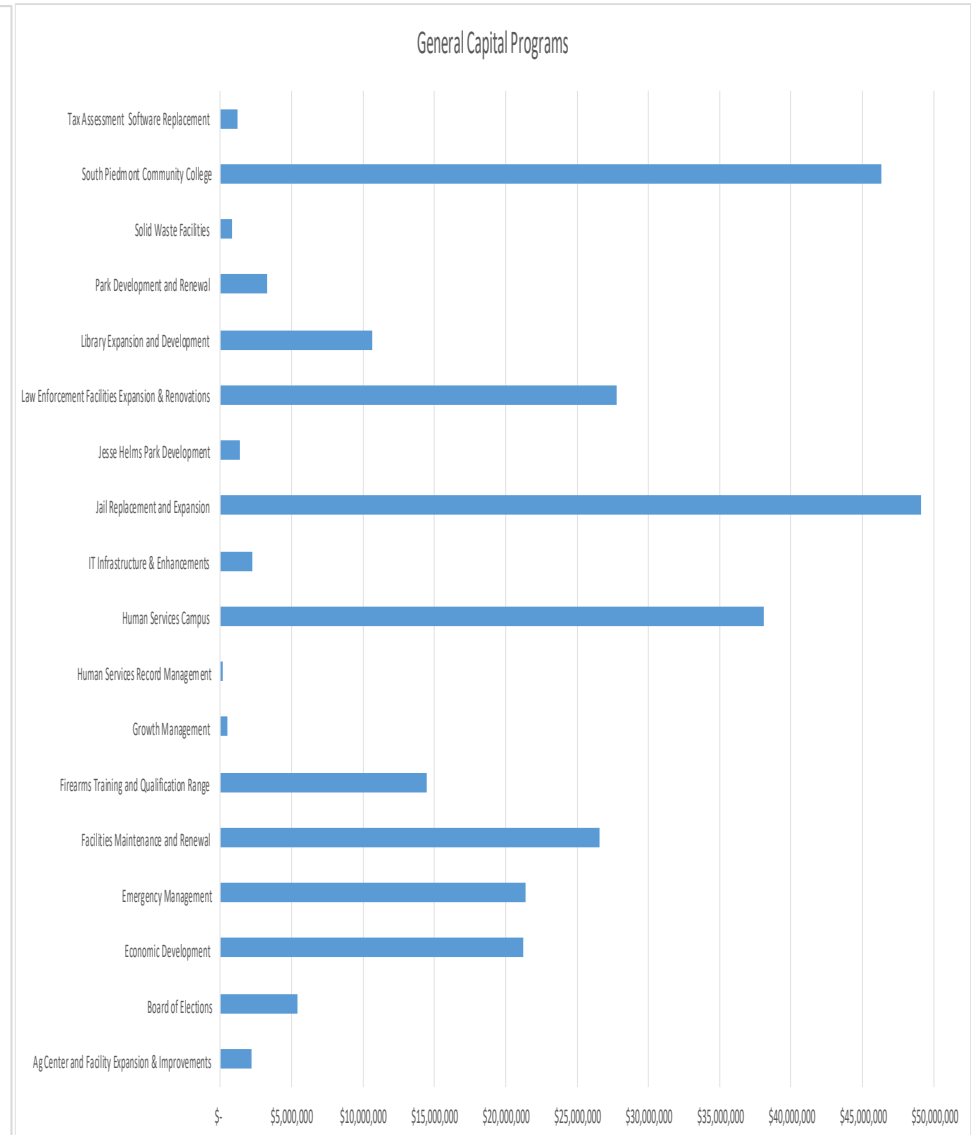
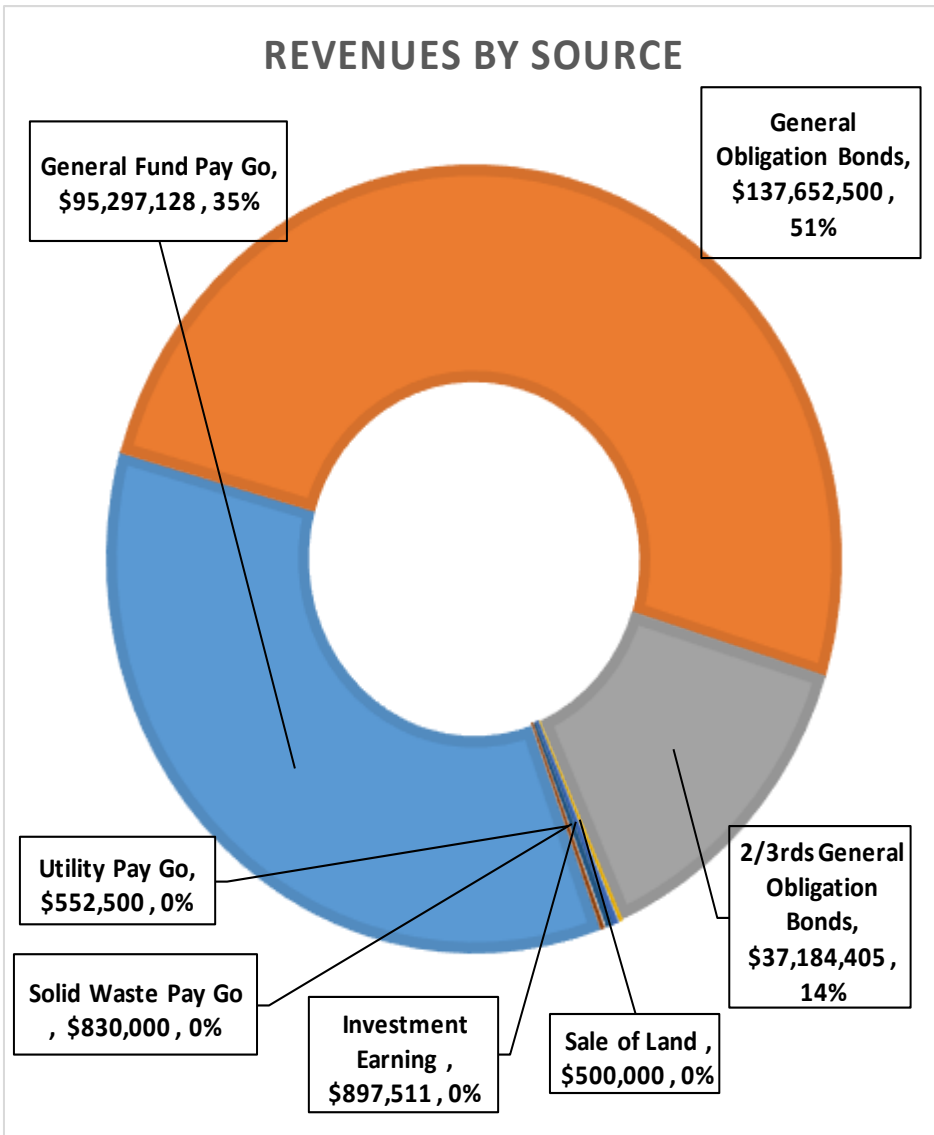


General Capital Program— \$272,914,044



General Capital Program

The six-year General Capital Program (GCP) reflects the capital needs of the General Government within Union County. Included in this program are projects that provide for the general services of government, including areas such as law enforcement, parks and recreation, libraries, information technology infrastructure, South Piedmont Community College, and others.

The projects included in this program comply with the requirements of the Union County Capital Improvement Program Management Policy.

The projects included in this program effect current and future operating budget appropriation. As part of the capital budgeting process, departments are required to estimate what the anticipated future operating budget impact will be. The operating budget impact is simply an estimate, and as the projects develop, estimates will become more defined as the projects mature. The anticipated operating budget impact includes appropriations for annual debt service, new positions and operating expenditures, change in maintenance costs, and variations in annual revenues.

Program Highlights

The GCP consists of eighteen capital programs and seventy-four specific projects. The programs focus on specific capital improvement needs of the service areas within County Government.

The majority of the GCP is comprised of Sheriff's Office and Jail Facilities, General County Facilities, South Piedmont Community College (SPCC), Economic Development, Emergency Management and Tax Administration programs.

The Sheriff's Office and Jail Facilities programs includes replacement, expansion and renovation projects to existing and future facilities, as well as the Firearms Training and Qualification Range.

The majority of the General County Facilities program is comprised renovations to the Historic Courthouse and a few smaller maintenance and renewal projects.

The SPCC program is comprised of projects that includes expansion of the current facilities on the Monroe Campus, a new facility in

Western Union County and a new STEM (Science, Technology, Engineering and Math) Building. The expansions include a Multi-Purpose Building, Center for Technology and Allied Health and renovations to Building A and B. The SPCC program also contains a few smaller technology and facility maintenance and renewal projects.

The Economic Development program provides for the purchase of 325+ acre industrial park in Union County.

The Emergency Management program includes two radio projects for replacement of mobile radios, bi-directional antennas for schools, radio towers, 911 Center Renovations and a new Emergency Services Complex.

The Tax Administration area includes one project for replacement of the Tax Assessor's Software.

Other GCP programs includes an additional new library in the South West region of the County, a 4H Livestock Arena, as well as future Park Development and Renewal. The Park Development program includes paving, lake enhancements, building renovations, equipment needs and new facilities at Cane Creek Park.

The Board of Elections (BOE) program includes replacement of voting equipment and renovation and expansion to the current BOE facility. New voting equipment was required by N.C. General Statute 163.165.

Operating Budget Impact

Given the new and expanded facilities recommended, it is anticipated that there will be significant increases in operating cost. These operating costs will become better defined as the projects and operating plans are further developed.

Additionally, many of the enhancement projects generate both real dollar savings as well as efficiencies within the organization.

The debt impact, based on the GO Bonds is discussed in more detail within the Debt Management section that discusses the County's total.

General Capital Program

Source of Funding	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources								
2/3rds General Obligation Bonds	0	0	-4,750,000	-2,671,000	-1,529,000	-2,747,000	0	-11,697,000
2/3rds General Obligation Bonds-2019	-20,962,405	1,530,675	0	0	0	0	0	-19,431,730
General Fund Pay Go	-74,168,517	-4,380,611	-3,428,000	-4,085,000	-4,485,000	-2,375,000	-2,375,000	-95,297,128
General Obligation Bonds	-992,500	0	0	-4,072,000	-40,128,000	0	0	-45,192,500
General Obligation Bonds-Series 2019	-82,082,500	-10,377,500	0	0	0	0	0	-92,460,000
Investment Earnings	-897,511	0	0	0	0	0	0	-897,511
Sale of Land	0	-6,555,675	0	0	0	0	0	-6,555,675
Solid Waste Pay Go	-830,000	0	0	0	0	0	0	-830,000
Utility Pay Go	-552,500	0	0	0	0	0	0	-552,500
Total Sources	-180,485,933	-19,783,111	-8,178,000	-10,828,000	-46,142,000	-5,122,000	-2,375,000	-272,914,044

Program Number	Programs	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Programs									
80000	Ag Center Facility Expansion & Improvements	219,000	1,994,000	0	0	0	0	0	2,213,000
80001	Board of Elections	907,630	4,525,000	0	0	0	0	0	5,432,630
80002	Emergency Management	20,584,311	534,660	268,000	0	0	0	0	21,386,971
80003	Facilities Maintenance and Renewal	9,534,108	1,728,176	6,275,000	2,875,000	2,575,000	1,775,000	1,775,000	26,537,284
80004	Firearms Training Range	8,805,665	0	250,000	2,253,000	1,185,000	1,975,000	0	14,468,665
80005	Growth Management	200,000	100,000	100,000	100,000	0	0	0	500,000
80006	Human Services Automation/Rec Mgmt	175,000	-1,230	0	0	0	0	0	173,770
80007	Human Services Campus	38,605,718	-537,759	0	0	0	0	0	38,067,959
80008	IT Infrastructure & Enhancements	2,243,238	0	0	0	0	0	0	2,243,238
80009	Jail Replacement and Expansion	2,020,045	674,061	685,000	4,582,000	41,138,000	0	0	49,099,106
80010	Jesse Helms Park Development	1,013,402	0	0	388,000	0	0	0	1,401,402
80011	Law Enforcement Facilities Expansion & Renovations	27,780,016	0	0	0	0	0	0	27,780,016
80012	Library Expansion and Development	2,800,832	7,877,500	0	0	0	0	0	10,678,332
80013	Park Development and Renewal	530,055	213,703	225,000	255,000	869,000	997,000	225,000	3,314,758
80014	South Piedmont Community College	41,599,508	2,875,000	375,000	375,000	375,000	375,000	375,000	46,349,508
80015	Tax Assessment Software Replacement	1,425,000	-200,000	0	0	0	0	0	1,225,000

General Capital Program

Program Number	Programs	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Programs									
80016	Economic Development	21,212,405	0	0	0	0	0	0	21,212,405
80017	Solid Waste Facilities	830,000	0	0	0	0	0	0	830,000
Total General Capital Program		180,485,933	19,783,111	8,178,000	10,828,000	46,142,000	5,122,000	2,375,000	272,914,044

Ag Center Facility Expansion & Improvements

80000

Program Summary

Program provides for expansion or improvements at the Union County Agriculture Center. Expansion items include a feasibility study, design, and construction for a 4H Livestock Areana to serve the equestrian, livestock, and greater area needs of the community. Improvement items include the purchase of a digital display sign on Hwy 74.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-219,000	-1,994,000	0	0	0	0	0	-2,213,000
Tota Sources		-219,000	-1,994,000	0	0	0	0	0	-2,213,000
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80065	4H Pavilion	119,000	-6,000	0	0	0	0	0	113,000
80074	Ag Center Display Sign	100,000	0	0	0	0	0	0	100,000
80119	Jesse Helms Park Improvements-4H	0	2,000,000	0	0	0	0	0	2,000,000
Total Ag Center Facility Expansion & Improvements		219,000	1,994,000	0	0	0	0	0	2,213,000

Board of Elections

80001

Program Summary

Program will provide for the ongoing need to update, implement, and purchase voting equipment as required by the State Board of Elections. Program also provides for renovations to Board of Election's facility and storage space for voting equipment.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
2/3rds General Obligation Bonds-2019		0	-4,525,000	0	0	0	0	0	-4,525,000
General Fund Pay Go		-907,630	0	0	0	0	0	0	-907,630
Tota Sources		-907,630	-4,525,000	0	0	0	0	0	-5,432,630
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80084	Board of Elections Voting Machines	807,630	0	0	0	0	0	0	807,630
80107	Board of Elections Renovations	100,000	4,525,000	0	0	0	0	0	4,625,000
Total Board of Elections		907,630	4,525,000	0	0	0	0	0	5,432,630

Emergency Management

80002

Program Summary

Program provides for the capital improvement needs of Emergency Management Services including Communications and Fire Services. Projects in this program include radio replacement, facilities renovations and expansion, radio towers and microwave replacements.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources								
General Fund Pay Go	-6,074,327	-534,660	-268,000	0	0	0	0	-6,876,987
General Obligation Bonds-Series 2019	-14,509,984	0	0	0	0	0	0	-14,509,984
Tota Sources	-20,584,311	-534,660	-268,000	0	0	0	0	-21,386,971

Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80085	Radios	933,327	466,660	0	0	0	0	0	1,399,987
80087	School Radio Bi-Directional	1,200,000	0	0	0	0	0	0	1,200,000
80104	911 Center Renovation and Expansion	1,030,000	-200,000	0	0	0	0	0	830,000
80105	Radio Towers SW Union	2,643,000	0	0	0	0	0	0	2,643,000
80106	Radio Microwave Replacement	268,000	268,000	268,000	0	0	0	0	804,000
80109	Emergency Services Complex	14,509,984	0	0	0	0	0	0	14,509,984
Total	Emergency Management	20,584,311	534,660	268,000	0	0	0	0	21,386,971

Facilities Maintenance and Renewal

80003

Program Summary

Program provides for facilities maintenance and renewal at existing County facilities. Projects in this program include items such as chiller replacements, various energy savings projects, and other facility related items This program will also provide a long-term renovation plan for the Historic County Courthouse.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
2/3rds General Obligation Bonds		0	0	-4,500,000	0	0	0	0	-4,500,000
General Fund Pay Go		-8,700,540	-1,728,176	-1,775,000	-2,875,000	-2,575,000	-1,775,000	-1,775,000	-21,203,716
Investment Earnings		-833,568	0	0	0	0	0	0	-833,568
Tota Sources		-9,534,108	-1,728,176	-6,275,000	-2,875,000	-2,575,000	-1,775,000	-1,775,000	-26,537,284
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80026	Government Facilities Renovations	5,811,063	-46,361	0	0	0	0	0	5,764,702
80062	Historic Courthouse Renovations Phase I	1,490,000	0	0	0	0	0	0	1,490,000
80069	County Facilities Repair	625,000	900,000	900,000	900,000	900,000	900,000	900,000	6,025,000
80070	Community Services Replacement/Renewal	517,761	0	0	0	0	0	0	517,761
80072	Facilities AV Equipment	725,000	0	0	0	0	0	0	725,000
80081	Monroe Library Carpet Replacement	365,284	-463	0	0	0	0	0	364,821
80123	Government Center - Replace Windows	0	0	0	750,000	0	0	0	750,000
80124	Government Center - Upgrade Building Controls	0	0	0	0	450,000	0	0	450,000
80125	Historic Courthouse - Phase 3 Renovation	0	0	4,500,000	0	0	0	0	4,500,000
80128	Judicial Center - Exterior Waterproofing	0	0	0	350,000	0	0	0	350,000
80129	Lancaster Ave - Renovation	0	0	0	0	350,000	0	0	350,000
80130	Library Renewal and Replacement	0	25,000	25,000	25,000	25,000	25,000	25,000	150,000
80131	Operating Capital Facilities	0	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000
80132	Operating Capital UCSO	0	150,000	150,000	150,000	150,000	150,000	150,000	900,000
80135	UCSO Renewal and Replacement	0	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000
Total Facilities Maintenance and Renewal		9,534,108	1,728,176	6,275,000	2,875,000	2,575,000	1,775,000	1,775,000	26,537,284

Firearms Training Range

80004

Program Summary

Program provides for the development of a Union County Sheriff's Office Firearms Training and Qualifications Range.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
2/3rds General Obligation Bonds		0	0	-250,000	-2,253,000	-1,185,000	-1,975,000	0	-5,663,000
General Fund Pay Go		-8,246,838	0	0	0	0	0	0	-8,246,838
General Obligation Bonds		-525,000	0	0	0	0	0	0	-525,000
Investment Earnings		-33,827	0	0	0	0	0	0	-33,827
Tota Sources		-8,805,665	0	-250,000	-2,253,000	-1,185,000	-1,975,000	0	-14,468,665
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80019	Firearms Range	8,805,665	0	0	0	0	0	0	8,805,665
80103	Public Safety Firearms Range Training Facility Phase II	0	0	170,000	1,445,000	0	0	0	1,615,000
80118	Firearms Range Phase III	0	0	0	0	225,000	1,975,000	0	2,200,000
80121	Firearms Range Phase IV - Installation And Maintenance Garage	0	0	80,000	680,000	0	0	0	760,000
80122	Firearms Range Phase V - Driving Range	0	0	0	128,000	960,000	0	0	1,088,000
Total Firearms Training Range		8,805,665	0	250,000	2,253,000	1,185,000	1,975,000	0	14,468,665

Growth Management

80005

Program Summary

Program provides for capital need for Growth Management. Growth Management facilitates well-designed, efficient, healthy, and safely built developments and structures. Responsibilities include long-range planning, zoning, building permitting, building inspection and development review. In coordination with state and federal laws, Growth Management ensures compliance with all county codes and regulations, including the North Carolina Building Code and Union County Zoning Ordinances. Program also provides capital funding assistance to NCDOT for various construction projects within Union County. Funding provided from the County will help the cost/benefit ratio for intersection-scale projects proposed within Union County.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-200,000	-100,000	-100,000	-100,000	0	0	0	-500,000
Tota Sources		-200,000	-100,000	-100,000	-100,000	0	0	0	-500,000
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80098	Planning - NC DOT Projects	200,000	100,000	100,000	100,000	0	0	0	500,000
Total Growth Management		200,000	100,000	100,000	100,000	0	0	0	500,000

Human Services Automation/Rec Mgmt

80006

Program Summary

Program provides for the automation and technology enhancements necessary to address the changing needs of the Human Services record keeping requirements as the Patient Protection and Affordability Care Act and other changing federal and state requirements are implemented.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-175,000	1,230	0	0	0	0	0	-173,770
Tota Sources		-175,000	1,230	0	0	0	0	0	-173,770
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80061	Electronic Medical Records	175,000	-1,230	0	0	0	0	0	173,770
Total Human Services Automation/Rec Mgmt		175,000	-1,230	0	0	0	0	0	173,770

Human Services Campus

80007

Program Summary

Program provides for the replacement of the leased Human Services Facility through the construction of a Human Services Campus including parking, clinical space, administrative space, record storage, and related other necessary service areas. During FY 2018 the construction of the Human Services Campus was complete and the new facility is being utilized. FY 2019 reflects a reduction in funding of \$3,544,282 that will be transferred to other capital programs.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-38,605,718	537,759	0	0	0	0	0	-38,067,959
Tota Sources		-38,605,718	537,759	0	0	0	0	0	-38,067,959
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80057	Human Services Campus	38,605,718	-537,759	0	0	0	0	0	38,067,959
Total Human Services Campus		38,605,718	-537,759	0	0	0	0	0	38,067,959

IT Infrastructure & Enhancements

80008

Program Summary

Program provides for upgrades to the information technology infrastructure at County facilities. Upgrades include items such as network storage expansion, conversion to voice over internet protocol (VoIP) phone system, countywide document imaging, and other efficiency enhancements.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-1,915,738	0	0	0	0	0	0	-1,915,738
Utility Pay Go		-327,500	0	0	0	0	0	0	-327,500
Tota Sources		-2,243,238	0	0	0	0	0	0	-2,243,238
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80046	I.T. Infrastructure	1,588,238	0	0	0	0	0	0	1,588,238
80060	Phone System Upgrade	655,000	0	0	0	0	0	0	655,000
Total IT Infrastructure & Enhancements		2,243,238	0	0	0	0	0	0	2,243,238

Jail Replacement and Expansion

80009

Program Summary

Program provides for the maintenance and replacement of detention facilities including but not limited to medical space, office space, housing for female and juvenile detainees, housing for male detainees, related ancillary services, and other necessary services.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
2/3rds General Obligation Bonds-2019		0	-500,000	0	0	0	0	0	-500,000
General Fund Pay Go		-1,522,429	-174,061	-685,000	-510,000	-1,010,000	0	0	-3,901,490
General Obligation Bonds		-467,500	0	0	-4,072,000	-40,128,000	0	0	-44,667,500
Investment Earnings		-30,116	0	0	0	0	0	0	-30,116
Tota Sources		-2,020,045	-674,061	-685,000	-4,582,000	-41,138,000	0	0	-49,099,106
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80018	Law Enforcement Jail Expansion	1,895,045	-82,416	0	0	0	0	0	1,812,629
80108	Jail Replacement and Renewal	125,000	-93,523	0	0	0	0	0	31,477
80112	Jail Paint Jail Block Walls and Floors	0	0	0	0	410,000	0	0	410,000
80113	Jail Replace Generator	0	0	385,000	0	0	0	0	385,000
80114	Jail Replace Kitchen Equipment	0	0	300,000	0	0	0	0	300,000
80115	Jail Roof Replacement	0	0	0	0	600,000	0	0	600,000
80116	Jail Replace Rooftop HVAC System	0	0	0	510,000	0	0	0	510,000
80117	Jail Expansion Phase I	0	0	0	4,072,000	40,128,000	0	0	44,200,000
80126	Jail Door Controls and Locks	0	850,000	0	0	0	0	0	850,000
Total Jail Replacement and Expansion		2,020,045	674,061	685,000	4,582,000	41,138,000	0	0	49,099,106

Jesse Helms Park Development

80010

Program Summary

Program provides for the development of Jesse Helms Park as outlined in the various phases of the Jesse Helms Park Master Plan. Development includes completing the parks' passive areas, trail systems, pavilions and shelters, park maintenance facilities, and other enhancements to improve the recreational offerings at the park.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
2/3rds General Obligation Bonds		0	0	0	-388,000	0	0	0	-388,000
General Fund Pay Go		-1,013,402	0	0	0	0	0	0	-1,013,402
Tota Sources		-1,013,402	0	0	-388,000	0	0	0	-1,401,402
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80041	JHP Passive Area Phase 2	1,013,402	0	0	0	0	0	0	1,013,402
80127	Jesse Helms Park - Park Amenities Improvements	0	0	0	388,000	0	0	0	388,000
Total Jesse Helms Park Development		1,013,402	0	0	388,000	0	0	0	1,401,402

Law Enforcement Facilities Expansion & Renov

80011

Program Summary

Program provides for the renovation and expansion of existing law enforcement offices and for the construction of climate controlled storage facilities for the County's special and tactical vehicles. The construction of the storage facilities was completed during FY 2018.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-130,000	0	0	0	0	0	0	-130,000
General Obligation Bonds-Series 2019		-27,650,016	0	0	0	0	0	0	-27,650,016
Tota Sources		-27,780,016	0	0	0	0	0	0	-27,780,016
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80080	Sheriff's Office Expansion and Renovations	27,780,016	0	0	0	0	0	0	27,780,016
Total Law Enforcement Facilities Expansion & Renovations		27,780,016	0	0	0	0	0	0	27,780,016

Library Expansion and Development

80012

Program Summary

Program provides for the expansion of existing library space as well as the construction of additional libraries, including the needed design, construction, and related cost to expansion and new library spaces.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-503,332	0	0	0	0	0	0	-503,332
General Obligation Bonds-Series 2019		-2,222,500	-7,877,500	0	0	0	0	0	-10,100,000
Utility Pay Go		-75,000	0	0	0	0	0	0	-75,000
Tota Sources		-2,800,832	-7,877,500	0	0	0	0	0	-10,678,332
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80088	Library RFID	219,356	0	0	0	0	0	0	219,356
80089	Monroe Library Redesign	283,976	0	0	0	0	0	0	283,976
80096	Southwest Union Library	2,297,500	7,877,500	0	0	0	0	0	10,175,000
Total Library Expansion and Development		2,800,832	7,877,500	0	0	0	0	0	10,678,332

Park Development and Renewal

80013

Program Summary

Program provides for the maintenance and renewal of existing parks as well as for future park development planning. Activities include master planning, facility replacement, and other related projects.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
2/3rds General Obligation Bonds		0	0	0	-30,000	-344,000	-772,000	0	-1,146,000
General Fund Pay Go		-530,055	-213,703	-225,000	-225,000	-525,000	-225,000	-225,000	-2,168,758
Tota Sources		-530,055	-213,703	-225,000	-255,000	-869,000	-997,000	-225,000	-3,314,758
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80075	Parks and Recreation Paving	187,472	-11,297	0	0	0	0	0	176,175
80090	Cane Creek Park Lake Enhancements	125,628	0	0	0	0	0	0	125,628
80097	Cane Creek Park Arcade Renovations	216,955	0	0	0	0	0	0	216,955
80100	Cane Creek Park Camp Store	0	0	0	0	50,000	388,000	0	438,000
80101	Cane Creek Park Bunkhouse	0	0	0	0	0	384,000	0	384,000
80102	Cane Creek Park Recreation Center/Storage Facility	0	0	0	30,000	294,000	0	0	324,000
80120	Cane Creek Park Campground R&R	0	100,000	100,000	100,000	100,000	100,000	100,000	600,000
80133	P&R - Wayfinding Improvements	0	0	0	0	300,000	0	0	300,000
80134	Parks and Recreation Renewal and Replacement	0	125,000	125,000	125,000	125,000	125,000	125,000	750,000
Total Park Development and Renewal		530,055	213,703	225,000	255,000	869,000	997,000	225,000	3,314,758

South Piedmont Community College

80014

Program Summary

Capital program to provide for the ongoing improvement, renovation, renewal, replacement, and development of South Piedmont Community College. The program specifically provides for renovations to accommodate the Americans with Disabilities Act requirements, changing technology needs, facility safety and security concerns, facility improvements, and expansion to accommodate student growth at South Piedmont Community College.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total	
Sources									
General Fund Pay Go	-3,899,508	-375,000	-375,000	-375,000	-375,000	-375,000	-375,000	-6,149,508	
General Obligation Bonds-Series 2019	-37,700,000	-2,500,000	0	0	0	0	0	-40,200,000	
Tota Sources	-41,599,508	-2,875,000	-375,000	-375,000	-375,000	-375,000	-375,000	-46,349,508	
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80067	SPCC Deferred Capital Maint	1,264,093	100,000	100,000	100,000	100,000	100,000	100,000	1,864,093
80076	SPCC Technology	1,518,315	175,000	175,000	175,000	175,000	175,000	175,000	2,568,315
80077	SPCC HVAC And Security	305,000	100,000	100,000	100,000	100,000	100,000	100,000	905,000
80078	SPCC Resurfacing of Parking Lot	467,100	0	0	0	0	0	0	467,100
80079	SPCC Parking	345,000	0	0	0	0	0	0	345,000
80091	SPCC Tyson Family Center Tech	4,900,000	0	0	0	0	0	0	4,900,000
80092	SPCC STEM Building	19,700,000	0	0	0	0	0	0	19,700,000
80093	SPCC Renovation - Building A	6,900,000	0	0	0	0	0	0	6,900,000
80094	SPCC Building B Renovations	0	2,500,000	0	0	0	0	0	2,500,000
80095	SPCC Western Union Classroom Building	6,200,000	0	0	0	0	0	0	6,200,000
Total	South Piedmont Community College	41,599,508	2,875,000	375,000	375,000	375,000	375,000	375,000	46,349,508

Tax Assessment Software Replacement

80015

Program Summary

Program provides for the upgrade or replacement of the Tax Assessor's Software used for Property Tax Records, Billings, and Collections

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-1,275,000	200,000	0	0	0	0	0	-1,075,000
Utility Pay Go		-150,000	0	0	0	0	0	0	-150,000
Tota Sources		-1,425,000	200,000	0	0	0	0	0	-1,225,000
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80082	Tax Administration Software	1,000,000	-200,000	0	0	0	0	0	800,000
80110	Pictometry	425,000	0	0	0	0	0	0	425,000
Total Tax Assessment Software Replacement		1,425,000	-200,000	0	0	0	0	0	1,225,000

Economic Development

80016

Program Summary

Program provides for the development of an Industrial Park.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
2/3rds General Obligation Bonds-2019		-20,962,405	6,555,675	0	0	0	0	0	-14,406,730
General Fund Pay Go		-250,000	0	0	0	0	0	0	-250,000
Sale of Land		0	-6,555,675	0	0	0	0	0	-6,555,675
Tota Sources		-21,212,405	0	0	0	0	0	0	-21,212,405
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80099	EDC Industrial Park	21,212,405	0	0	0	0	0	0	21,212,405
Total Economic Development		21,212,405	0	0	0	0	0	0	21,212,405

Solid Waste Facilities

80017

Program Summary

Program provides a new location for the Sun Valley Solid Waste Convenience site. The program is in its initial phase following a site study by our consultant Civil and Environmental Consultants, Inc. (CEC). The Sun Valley Solid Waste Convenience Site is located on property owned by the Union County Board of Education. The Board of Education asked Union County to relocate the site due to the Sun Valley High School Addition and Renovation Bond Project.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
Solid Waste Pay Go		-830,000	0	0	0	0	0	0	-830,000
Tota Sources		-830,000	0	0	0	0	0	0	-830,000
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
80111	Solid Waste Convenience Site-Sun Valley	830,000	0	0	0	0	0	0	830,000
Total Solid Waste Facilities		830,000	0	0	0	0	0	0	830,000

Union County Public Schools Capital Program— Six year CIP Plan \$173,272,241

The Union County Public Schools (UCPS) Capital Program reflects the capital request of UCPS and the Board of Education. UCPS and the Board of Education have requested funding for projects included in this program based on projects considered top priorities. The UCPS Capital Program addresses the need to bring facilities into compliance with the American's with Disabilities Act, maintaining building systems (HVAC, plumbing and lighting), reflects safety and security infrastructure needs, roofing repairs (maintenance and replacement), expansion and renovations to existing facilities and addresses information technology needs. Projects also included in the UCPS Capital Program are referendum projects that were approved by voters in November of 2016.

Revenue Highlights:

The funding of the UCPS Capital Program is provided by the following sources:

- General Fund Pay Go
- General Obligation Bonds

The largest funding source for the UCPS Capital Program is General Fund Pay Go. General Fund Pay Go is transferred to the UCPS Capital Program from revenues received from the County's General Fund operations.

General Obligation Bonds were approved by voters in November of 2016. The debt service associated with the GO Bonds will be paid back through a direct ad valorem tax rate adopted by the Board of County Commissioners.

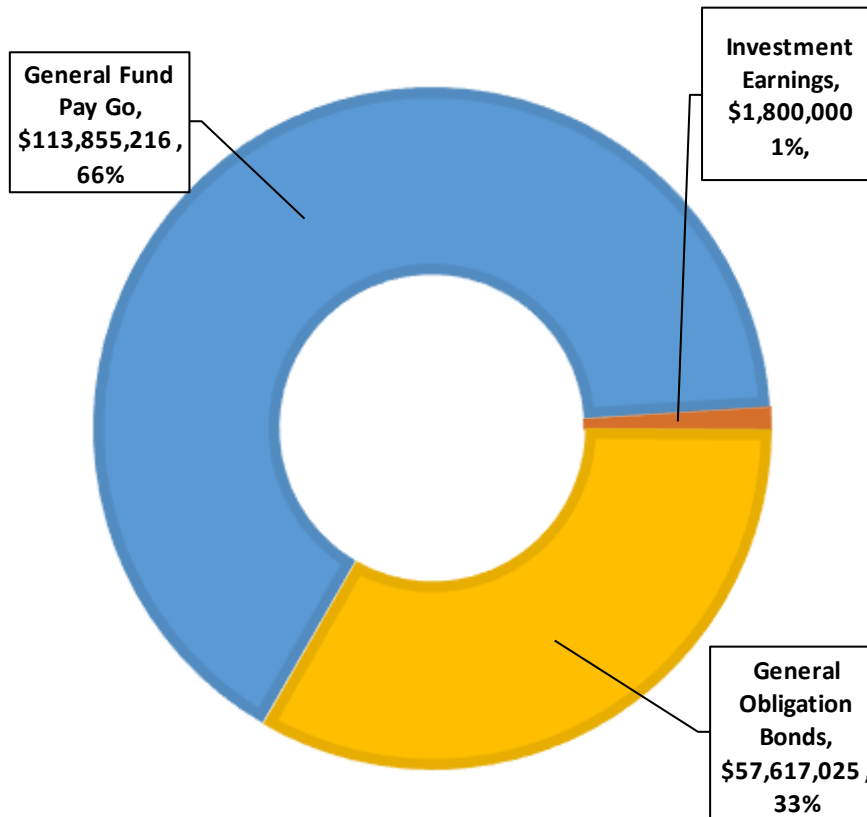
Program Highlights:

The UCPS Capital Program consists of the following programs:

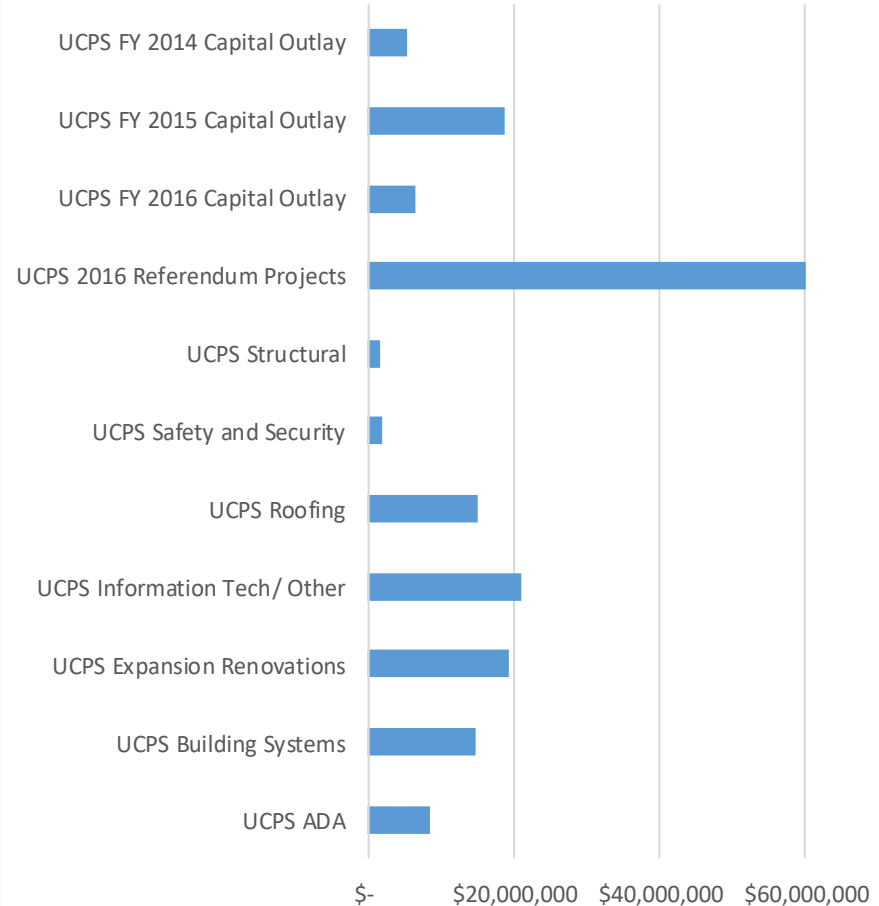
- UCPS ADA
- UCPS Building Systems
- UCPS Expansion and Renovations
- UCPS Information Technology/Other
- UCPS Roofing
- UCPS Safety and Security
- UCPS Structural
- UCPS 2016 Referendum Projects
- UCPS FY 2016 Capital Outlay
- UCPS FY 2015 Capital Outlay
- UCPS FY 2014 Capital Outlay

Union County Public Schools Capital Program— Six year CIP Plan \$173,272,241

REVENUES BY SOURCE



Union County Public Schools Capital Programs



UCPS Capital Program

Source of Funding	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources								
General Fund Pay Go	-84,275,031	-20,193,945	-2,346,560	-2,346,560	-2,346,560	-2,346,560	0	-113,855,216
General Obligation Bonds	-57,617,025	0	0	0	0	0	0	-57,617,025
Investment Earnings	-1,800,000	0	0	0	0	0	0	-1,800,000
Total Sources	-143,692,056	-20,193,945	-2,346,560	-2,346,560	-2,346,560	-2,346,560	0	-173,272,241

Program Number	Programs	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Programs									
83000	UCPS ADA	8,037,213	515,550	0	0	0	0	0	8,552,763
83001	UCPS Building Systems	10,222,803	4,689,000	0	0	0	0	0	14,911,803
83002	UCPS Expansion Renovations	12,005,448	7,346,324	0	0	0	0	0	19,351,772
83003	UCPS Information Tech/Other	5,492,339	6,210,071	2,346,560	2,346,560	2,346,560	2,346,560	0	21,088,650
83004	UCPS Roofing	13,923,230	200,000	0	0	0	0	0	14,123,230
83005	UCPS Safety and Security	1,470,370	1,233,000	0	0	0	0	0	2,703,370
83006	UCPS Structural	1,569,287	0	0	0	0	0	0	1,569,287
83007	UCPS 2016 Referendum Project	60,152,206	0	0	0	0	0	0	60,152,206
83008	UCPS FY 2016 Capital Outlay	6,656,522	0	0	0	0	0	0	6,656,522
83009	UCPS FY 2015 Capital Outlay	18,804,779	0	0	0	0	0	0	18,804,779
83010	UCPS FY 2014 Capital Outlay	5,357,859	0	0	0	0	0	0	5,357,859
Total UCPS Capital Program		143,692,056	20,193,945	2,346,560	2,346,560	2,346,560	2,346,560	0	173,272,241

UCPS ADA

83000

Program Summary

Program will address compliance with the Americans with Disabilities Act through improving access to Union County Public Schools facilities.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-8,037,213	-515,550	0	0	0	0	0	-8,552,763
Tota Sources		-8,037,213	-515,550	0	0	0	0	0	-8,552,763
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82008	ADA Various Locations	4,236,249	0	0	0	0	0	0	4,236,249
82009	BENTON HEIGHTS-UPGRADE RESTR	491,906	0	0	0	0	0	0	491,906
82012	FOREST HILLS-ADA ACC CAFE/GH	38,500	0	0	0	0	0	0	38,500
82013	FOREST HIL-ADA UPGR BALLFIELD	97,680	0	0	0	0	0	0	97,680
82025	PROPSECT-ADA TOILET ROOMS	86,781	0	0	0	0	0	0	86,781
82026	PROPSECT-ADA ACCESS TO MCR	152,781	0	0	0	0	0	0	152,781
82027	SUN VAL MID-ADA RR SELF CNT CR	12,672	0	0	0	0	0	0	12,672
82031	VARIOUS LOCATION-OCR COMPL	218,480	0	0	0	0	0	0	218,480
82036	WESTERN UNION-TOILET ACC EVL	145,000	0	0	0	0	0	0	145,000
82037	WESTERN UNION-ADA RESTROOMS	203,284	0	0	0	0	0	0	203,284
82300	FY 2018 UCPS ADA	2,064,080	0	0	0	0	0	0	2,064,080
82310	FY 19 UCPS ADA	289,800	0	0	0	0	0	0	289,800
82319	FY 2020 UCPS ADA	0	515,550	0	0	0	0	0	515,550
Total UCPS ADA		8,037,213	515,550	0	0	0	0	0	8,552,763

UCPS Building Systems

83001

Program Summary

Program will address building systems needs for Union County Public Schools facilities. Building systems include items such as HVAC, Plumbing, Lighting, etc.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-10,222,803	-4,689,000	0	0	0	0	0	-14,911,803
Tota Sources		-10,222,803	-4,689,000	0	0	0	0	0	-14,911,803
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82041	MONROE HIGH-AC FOR KITCHEN	35,750	0	0	0	0	0	0	35,750
82042	MONROE HIGH-LIGHTS IN AUX GYM	45,000	0	0	0	0	0	0	45,000
82043	PARKWOOD HIGH-OUTSIDE AIR	275,000	0	0	0	0	0	0	275,000
82044	SUN VAL MID-HVAC/CHILLER REPL	662,895	0	0	0	0	0	0	662,895
82046	UNIONVILLE -CHILLER REPLACE	121,417	0	0	0	0	0	0	121,417
82047	UNIONVILLE -OUTSIDE AIR TO CR	220,000	0	0	0	0	0	0	220,000
82048	UNIONVILLE-DDC BLDG MGMT SYS	220,000	0	0	0	0	0	0	220,000
82049	VARIOUS-BLDG AUTOMATION SYS	278,646	0	0	0	0	0	0	278,646
82050	WEDDINGTON ELEM-DDC SYSTEM	192,500	0	0	0	0	0	0	192,500
82051	WEDDINGTON MID-DDC CONTROL	300,000	0	0	0	0	0	0	300,000
82052	WESLEY CHAP-OUTSD AIR ORG BLD	170,500	0	0	0	0	0	0	170,500
82053	WESTERN UNION-LIGHTING	74,000	0	0	0	0	0	0	74,000
82054	SUN VALLEY MID-AC FOR KITCHEN	35,200	0	0	0	0	0	0	35,200
82055	SUN VAL HIGH CHILLER REPLACE	53,100	0	0	0	0	0	0	53,100
82056	PIEDMONT MID CHILLER REPLACE	62,700	0	0	0	0	0	0	62,700
82301	FY 2018 UCPS BUILDING SYSTEMS	2,160,095	0	0	0	0	0	0	2,160,095
82308	PORTER RIDGE CHILLER REPLACEME	172,000	0	0	0	0	0	0	172,000
82311	FY 19 UCPS Building Systems	5,144,000	0	0	0	0	0	0	5,144,000
82320	FY 2020 UCPS Building Systems	0	4,689,000	0	0	0	0	0	4,689,000
Total UCPS Building Systems		10,222,803	4,689,000	0	0	0	0	0	14,911,803

UCPS Expansion Renovations

83002

Program Summary

Program includes expansion and renovations projects as requested by Union County Public Schools.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-12,005,448	-7,346,324	0	0	0	0	0	-19,351,772
Tota Sources		-12,005,448	-7,346,324	0	0	0	0	0	-19,351,772
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82071	BENTON HEIGHTS-AUDITORIUM	1,931,813	0	0	0	0	0	0	1,931,813
82072	MONROE HIGH-AUDITORIUM	509,872	0	0	0	0	0	0	509,872
82302	FY 2018 UCPS EXP AND REN	5,528,074	0	0	0	0	0	0	5,528,074
82307	FY 2018 MONROE MIDDLE STEM LAB	2,723,980	0	0	0	0	0	0	2,723,980
82312	FY 19 UCPS Expansion/Renovations	1,067,709	0	0	0	0	0	0	1,067,709
82317	Land Purchase Piedmont Area	199,000	0	0	0	0	0	0	199,000
82318	Land Purchase Parkwood Area	45,000	0	0	0	0	0	0	45,000
82321	FY 2020 UCPS Expansion/Renovations	0	7,346,324	0	0	0	0	0	7,346,324
Total UCPS Expansion Renovations		12,005,448	7,346,324	0	0	0	0	0	19,351,772

UCPS Information Tech/Other

83003

Program Summary

Program includes ongoing information technology needs and all other miscellaneous capital outlay items. The miscellaneous capital outlay items include furniture's, equipment and vehicle replacement.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-5,492,339	-6,210,071	-2,346,560	-2,346,560	-2,346,560	-2,346,560	0	-21,088,650
Tota Sources		-5,492,339	-6,210,071	-2,346,560	-2,346,560	-2,346,560	-2,346,560	0	-21,088,650
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82073	FACILITIES VEHICLE REPLACEMENT	109,354	0	0	0	0	0	0	109,354
82074	FACILITIES-GPS SYSTEM UPDATE	137,000	0	0	0	0	0	0	137,000
82075	PIEDMONT HIGH-LIGHTING	357,500	0	0	0	0	0	0	357,500
82076	VARIOUS-FURNITURE/EQUIPMENT	300,000	0	0	0	0	0	0	300,000
82303	FY 2018 UCPS F&E	108,000	0	0	0	0	0	0	108,000
82306	FY 2018 UCPS TECHNOLOGY	1,580,959	0	0	0	0	0	0	1,580,959
82309	Juniper Upgrades Various	400,760	0	0	0	0	0	0	400,760
82313	FY 19 UCPS Information Tech/Other	152,206	0	0	0	0	0	0	152,206
82316	UCPS 5YR Laptop Lease	2,346,560	2,346,560	2,346,560	2,346,560	2,346,560	2,346,560	0	14,079,360
82322	FY 2020 UCPS Information Tech	0	1,282,632	0	0	0	0	0	1,282,632
82325	FY 2020 UCPS FF&E	0	1,285,000	0	0	0	0	0	1,285,000
82326	FY 2020 UCPS Band Uniforms and Equipment	0	50,000	0	0	0	0	0	50,000
82327	FY 2020 UCPS Bus Cameras	0	130,750	0	0	0	0	0	130,750
82328	FY 2020 UCPS Vehicles	0	155,129	0	0	0	0	0	155,129
82329	FY 2020 UCPS Painting	0	960,000	0	0	0	0	0	960,000
Total UCPS Information Tech/Other		5,492,339	6,210,071	2,346,560	2,346,560	2,346,560	2,346,560	0	21,088,650

UCPS Roofing

83004

Program Summary

Program includes roofing repairs, roof audit or studies, and roof replacements at Union County Public Schools facilities.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources								
General Fund Pay Go	-13,923,230	-200,000	0	0	0	0	0	-14,123,230
Tota Sources	-13,923,230	-200,000	0	0	0	0	0	-14,123,230

UCPS Roofing

83004

Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82133	VARIOUS ROOFING REPAIRS	3,000,000	0	0	0	0	0	0	3,000,000
82134	WAREHOUSE RE ROOFING	139,395	0	0	0	0	0	0	139,395
82144	WESTERN UNION ELEMENTARY ROOF	281,408	0	0	0	0	0	0	281,408
82145	UCPS- ROOF AUDITS	72,000	0	0	0	0	0	0	72,000
82149	BENTON HEIGHTS ROOF REPAIR	907,677	0	0	0	0	0	0	907,677
82150	EAST UNION MIDDLE ROOF REPAIR	326,970	0	0	0	0	0	0	326,970
82151	FOREST HILLLS HIGH ROOF REPAIR	451,326	0	0	0	0	0	0	451,326
82153	INDIAN TRAIL ELEM ROOF REPAIR	355,065	0	0	0	0	0	0	355,065
82154	MARSHVILLE ELEM ROOF REPAIR	393,536	0	0	0	0	0	0	393,536
82176	ANTIOCH ROOF REPAIR FY 16	476,809	0	0	0	0	0	0	476,809
82178	FAIRVIEW ROOF REPAIR FY 16	566,700	0	0	0	0	0	0	566,700
82180	KENSINGTON ROOF REPAIR FY16	66,455	0	0	0	0	0	0	66,455
82184	PIEDMONT HIGH ROOF REPAIR FY16	267,700	0	0	0	0	0	0	267,700
82186	PORTER RIDG HIGH ROOF RPR FY16	1,300,102	0	0	0	0	0	0	1,300,102
82188	REA VIEW ROOF REPAIR FY 16	467,306	0	0	0	0	0	0	467,306
82189	ROCK REST ROOF REPAIR FY 16	556,860	0	0	0	0	0	0	556,860
82190	SANDY RIDGE ROOF REPAIR FY16	458,257	0	0	0	0	0	0	458,257
82192	WALTER BICKT ED CTR ROOF FY16	426,300	0	0	0	0	0	0	426,300
82193	WALTER BICKETT ELEM ROOF FY 16	472,905	0	0	0	0	0	0	472,905
82195	WESLEY CHAPEL ROOF REPAIR FY16	113,618	0	0	0	0	0	0	113,618
82304	FY 2018 UCPS ROOFING	822,841	0	0	0	0	0	0	822,841
82314	FY 19 UCPS Roofing	2,000,000	0	0	0	0	0	0	2,000,000
82323	FY 2020 UCPS Roofing	0	200,000	0	0	0	0	0	200,000
Total UCPS Roofing		13,923,230	200,000	0	0	0	0	0	14,123,230

UCPS Safety and Security

83005

Program Summary

Program will provide for ongoing Union County Public School's facilities safety and security concerns.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-1,470,370	-1,233,000	0	0	0	0	0	-2,703,370
Tota Sources		-1,470,370	-1,233,000	0	0	0	0	0	-2,703,370
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82200	FOREST HILLS HIGH-EMG LIGHTING	16,500	0	0	0	0	0	0	16,500
82201	MARVIN ELEM UPGRAD FIRE AL PNL	47,973	0	0	0	0	0	0	47,973
82202	PARKWOOD HIGH-STATEG FEN & HID	11,000	0	0	0	0	0	0	11,000
82203	PROSPECT-FIRE ALARM	55,670	0	0	0	0	0	0	55,670
82204	WESTERN UNION-FIRE ALARM	63,427	0	0	0	0	0	0	63,427
82305	FY 2018 UCPS SAFETY and SEC	850,000	0	0	0	0	0	0	850,000
82315	FY 19 UCPS Safety and Security	425,800	0	0	0	0	0	0	425,800
82324	FY 2020 UCPS Safety/Security	0	1,233,000	0	0	0	0	0	1,233,000
Total UCPS Safety and Security		1,470,370	1,233,000	0	0	0	0	0	2,703,370

UCPS Structural

83006

Program Summary

Program will provide for ongoing improvements and other structural needs for Union County Public School's facilities.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-1,569,287	0	0	0	0	0	0	-1,569,287
Tota Sources		-1,569,287	0	0	0	0	0	0	-1,569,287
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82207	BENTON HEIGHTS-SITE IMPROV	489,720	0	0	0	0	0	0	489,720
82210	MONROE HIGH-WINDOWS/DOORS	415,000	0	0	0	0	0	0	415,000
82211	WAREHOUSE DEMO OF GYM	65,000	0	0	0	0	0	0	65,000
82212	WESLEY CHAPEL-CY STORM DRAIN	85,000	0	0	0	0	0	0	85,000
82213	WESTERN UNION-REPLACE FLOORING	514,567	0	0	0	0	0	0	514,567
Total UCPS Structural		1,569,287	0	0	0	0	0	0	1,569,287

UCPS 2016 Referendum Project

83007

Program Summary

Program provides appropriation for the 2016 Bond Referendum projects that were approved by voters during the November 2016 Election.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-735,181	0	0	0	0	0	0	-735,181
General Obligation Bonds		-57,617,025	0	0	0	0	0	0	-57,617,025
Investment Earnings		-1,800,000	0	0	0	0	0	0	-1,800,000
Tota Sources		-60,152,206	0	0	0	0	0	0	-60,152,206
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82001	MONROE HS BOND PROJECT	4,275,313	0	0	0	0	0	0	4,275,313
82002	PIEDMONT HS BOND PROJECT	1,597,653	0	0	0	0	0	0	1,597,653
82004	PORTER RIDGE MS BOND PRJ	4,975,900	0	0	0	0	0	0	4,975,900
82005	SUN VALLEY HS BOND PROJECT	34,419,925	0	0	0	0	0	0	34,419,925
82006	TRANSPORTATION FACILITY	14,365,656	0	0	0	0	0	0	14,365,656
82007	WESTERN UNION ES BOND PRJ	517,759	0	0	0	0	0	0	517,759
Total UCPS 2016 Referendum Project		60,152,206	0	0	0	0	0	0	60,152,206

UCPS FY 2016 Capital Outlay

83008

Program Summary

Program provides funding for Union County Public School's capital improvement needs for Fiscal Year 2016.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-6,656,522	0	0	0	0	0	0	-6,656,522
Tota Sources		-6,656,522	0	0	0	0	0	0	-6,656,522
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82172	CAPITAL OUTLAY FY 2016	2,457,649	0	0	0	0	0	0	2,457,649
82173	BENTON HEIGHTS RENV FY16	1,891,623	0	0	0	0	0	0	1,891,623
82174	IP SECURITY CAMERAS	1,307,250	0	0	0	0	0	0	1,307,250
82175	TECHNOLOGY AND	1,000,000	0	0	0	0	0	0	1,000,000
Total UCPS FY 2016 Capital Outlay		6,656,522	0	0	0	0	0	0	6,656,522

UCPS FY 2015 Capital Outlay

83009

Program Summary

Program provides funding for Union County Public School's capital improvement needs for Fiscal Year 2015.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-18,804,779	0	0	0	0	0	0	-18,804,779
Tota Sources		-18,804,779	0	0	0	0	0	0	-18,804,779
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82171	FY 2015 UCPS FACILITY PROJECTS	18,804,779	0	0	0	0	0	0	18,804,779
Total UCPS FY 2015 Capital Outlay		18,804,779	0	0	0	0	0	0	18,804,779

UCPS FY 2014 Capital Outlay

83010

Program Summary

Program provides funding for Union County Public School's capital improvement needs for Fiscal Year 2014.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Phase Total
Sources									
General Fund Pay Go		-5,357,859	0	0	0	0	0	0	-5,357,859
Tota Sources		-5,357,859	0	0	0	0	0	0	-5,357,859
Project Number	Project	Project To-Date	Adopted FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Planned FY 2025	Project Total
Projects									
82148	UCPS FY 2014 ADDITIONAL	5,357,859	0	0	0	0	0	0	5,357,859
Total UCPS FY 2014 Capital Outlay		5,357,859	0	0	0	0	0	0	5,357,859

Debt Program

Union County borrows funds through the use of various debt instruments; typically general obligation bonds (GO bonds), installment financings (certificates of participation (COP's), limited obligation bonds (LOB's), and private placements), revenue bonds, and N.C. Clean Water Revolving Loans (NC CWRL). Principal and interest debt service payments are appropriated annually in the operating budget(s).

GO bonds are approved through voter referendum and collateralized by the full faith, credit, and taxing power of the County. Certifications regarding restrictions, covenants, budget data, and financial disclosure are reported annually for general obligation debt. Currently, there is \$96.48 million of authorized and unissued referendum approved general obligation debt. The bonds are expected to be issued during FY 2020.

Installment financings are typically collateralized or secured by the assets financed and not the taxing power of the County. However, installment financings require the County to follow customary covenants including providing insurance certificates, budget data, and annual financial disclosures.

Revenue bonds are secured by the pledge of net revenues. In the County's case, it is derived from the water and wastewater system revenues, and the County follows the requirements of the revenue bond debt indentures.

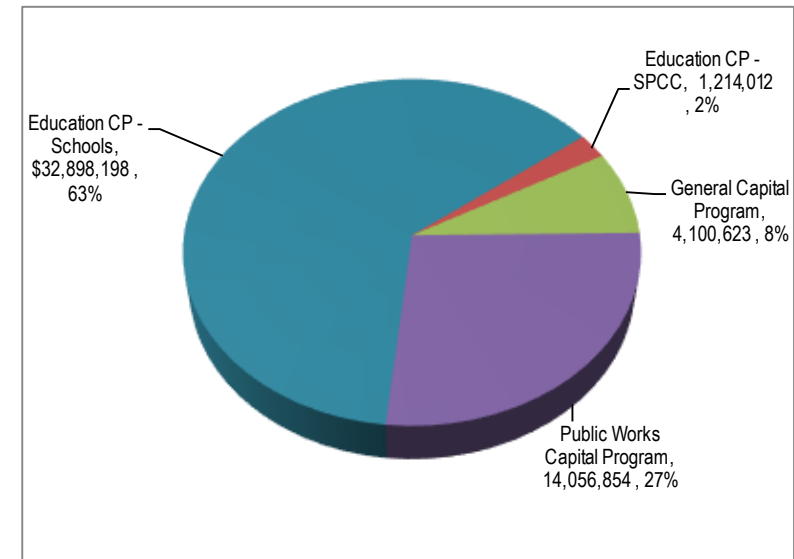
The County currently operates under indentures with U.S. Bank National Association as trustee. The indentures authorize and secure all outstanding revenue bonds of the County's water and wastewater system and contain several financial and operating covenants including rates, additional bonds, reserve funds, annual budgets, maintenance of the system, and insurance. The County is in compliance with all such covenants during the fiscal year ended June 30, 2019. The covenants are tested retrospectively annually during the audit process. It is anticipated the County will continue to remain in compliance.

The County has one outstanding N.C. Clean Water Revolving Loan (NC CWRL) provided by the North Carolina Clean Water Revolving Loan and Grant Fund. The loan is payable over twenty years and is secured by the net revenues of the water and wastewater system.

Additionally the loans contain financial and operating covenants. The County was in compliance with all such covenants as of June 30, 2019. The covenants are tested retrospectively annually during the audit process. It is anticipated the County will continue to remain in compliance.

The County has been prudent in its use of debt funds through the years. The County's total debt service per capita, in FY 2020, is estimated to be \$220. This is comprised of \$139 for Union County Public Schools capital program, \$5 for South Piedmont Community College (SPCC) education capital program, \$17 for the general capital program for public works capital program, and \$59 for public works capital program.

Capital Program	Debt Service FY 2020	Debt Service / Capita
Education CP - Schools	\$ 32,898,198	\$ 139
Education CP - SPCC	1,214,012	5
General Capital Program	4,100,623	17
Public Works Capital Program	14,056,854	59
Total	\$ 52,269,687	\$ 220



State Debt Limits

In accordance with the provisions of the North Carolina State Constitution and The Local Government Bond Act, as amended, allowing for issuance of all presently authorized bonds, the County has the statutory capacity to incur additional net debt in an approximate amount of \$1,692,007,160. This legal debt margin is calculated following the June 1, 2019 debt payment and includes the November 2016 and November 2018 referendum authorized and unissued debt. This debt analysis does not include operating leases or other County leases as they are typically secured by the purchased asset.

Credit Ratings

The County's current credit ratings are as follows:

Debt Type	Moody's	Standard & Poor's	Fitch
GO Bonds	Aaa	AAA	AAA
Revenue Bonds	Aa1	AA+	AA

The County received an upgrade from S&P on the GO Bonds in June of 2019.

County Wide Debt

The following table illustrates the current outstanding debt service schedule as of June 30, 2019. The Water and Sewer Fund pays the debt service on the bonds related to utilities. Of the total debt, \$184,025,000, is enterprise debt funded by charges for services by utility rate payers. The Water and Sewer Fund debt service for FY 2020 will be \$14,056,854; reflecting a net increase of \$4,482,602 from prior year debt service costs. This increase is a reflection of the 2019 Revenue Bonds issued in May 2018. The remaining debt of \$310,175,000 is supported by the taxpayers through the General Fund, Economic Development Fund and the Debt Service Fund. The General Fund debt service for FY 2020 will be \$31,154,607, reflecting a decrease of \$21,631,659 from prior year debt service costs. This decrease is attributable to principal payments made during FY 2019 and an early redemption of 2004B, 2009A and 2009B GO Bonds. The Debt Service Budgetary Fund debt service for FY 2020 will be \$6,658,237. The Debt Service Budgetary Fund includes

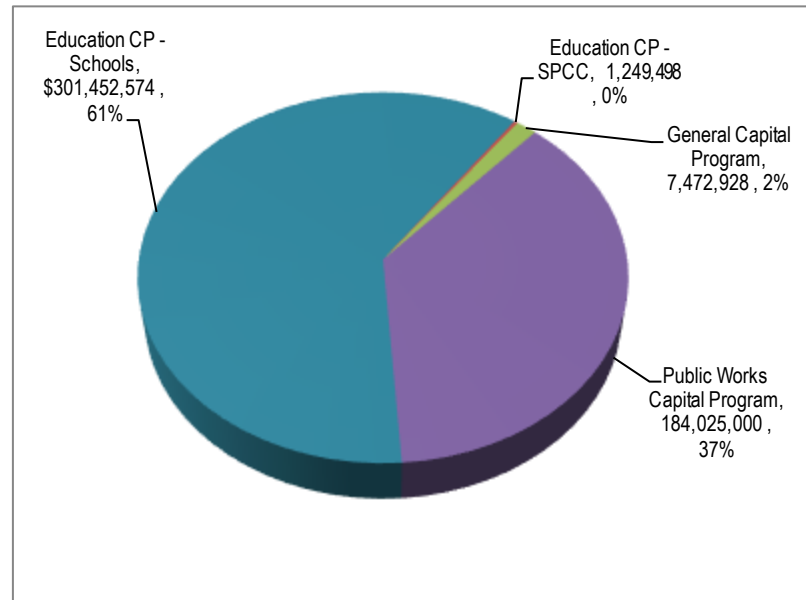
the 2017 GO Bonds, the remaining 2016 and 2018 voter approved GO Bonds and 2/3rds GO Bonds that will be issued in August 2019. The Economic Development Fund debt service for FY 2020 will be \$399,989. FY 2020 will be the first year debt service payments are made out of the Economic Development Fund. This is a reflection of the 2/3rds GO bonds that will be issued in August 2019 for the purchase of an Industrial Park.

County Wide Debt Amortization Schedule

Fiscal Year	Principal	Interest	Total
FY2020	\$ 29,840,000	\$ 17,858,810	\$ 47,698,810
FY2021	37,125,000	16,561,718	53,686,718
FY2022	37,185,000	15,159,833	52,344,833
FY2023	37,470,000	13,621,933	51,091,933
FY2024	34,625,000	12,129,681	46,754,681
FY2025	34,445,000	10,791,318	45,236,318
FY2026	33,655,000	9,530,776	43,185,776
FY2027	32,030,000	8,338,250	40,368,250
FY2028	31,715,000	7,115,188	38,830,188
FY2029	30,055,000	6,035,994	36,090,994
FY2030	27,140,000	5,081,583	32,221,583
FY2031	18,740,000	4,321,456	23,061,456
FY2032	15,570,000	3,737,599	19,307,599
FY2033	12,825,000	3,244,248	16,069,248
FY2034	11,640,000	2,846,937	14,486,937
FY2035	9,585,000	2,455,775	12,040,775
FY2036	9,830,000	2,135,350	11,965,350
FY2037	10,060,000	1,828,863	11,888,863
FY2038	10,325,000	1,487,350	11,812,350
FY2039	8,120,000	1,161,550	9,281,550
FY2040	8,420,000	862,325	9,282,325
FY2041	3,250,000	552,000	3,802,000
FY2042	3,380,000	422,000	3,802,000
FY2043	3,515,000	286,800	3,801,800
FY2044	3,655,000	146,200	3,801,200
Total	\$ 494,200,000	\$ 147,713,534	\$ 641,913,534

The current outstanding principal debt as of June 30, 2019 will be \$494.2 million as illustrated by the table below. 61 percent is comprised of the education capital program debt, 37 percent is public works capital program debt, 2 percent is general capital program debt, and less than 1 percent is for SPCC debt. The outstanding debt per capita is \$1,269 for the schools education capital program, \$5 for the SPCC education capital program, \$31 for the general capital program and \$775 for the public works capital program.

Capital Program	Outstanding at June 30, 2019	Outstanding Debt / Capita
Education CP - Schools	\$ 301,452,574	\$ 1,269
Education CP - SPCC	1,249,498	5
General Capital Program	7,472,928	31
Public Works Capital Program	184,025,000	775
Total	\$ 494,200,000	\$ 2,080



A portion of the local option sales tax, as prescribed by North Carolina State General Statutes, is used to support the education

capital program or the indebtedness incurred by the County for Union County Public School purposes as discussed in the revenue highlights of the budget document.

- Article 40 Local Option Sales Tax: The County is mandated to use 30% of the revenue received from Article 40 for Public School Capital Outlay purposes or to retire any indebtedness incurred by the County for Public School purposes.
- Article 42 Local Option Sales Tax: The County is mandated to use 60% of the revenue received from Article 42 for Public School Capital Outlay purposes (as defined in G.S. 115C-426(f)) or to retire any indebtedness incurred by the County for Public School purposes.
- Article 44 Local Option Sales Tax: (G.S. 105-524) The County is mandated to use Article 44 revenue received for economic development, public education, and/or community colleges. In the FY 2019 Budget, this amount has been allocated to cover debt service requirements for the Union County Public Schools.

Education Capital Program Debt

Over the past twenty years, \$650.7 million of GO bonds and certificates of participation have been issued by the County to fund UCPS and SPCC land, facilities construction, and facilities improvements as delineated in the following table.

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Education Capital Program Debt Issuances

Type and Purpose	Issued	Original Issue Amount
GO Bonds - UCPS	September 1999	\$ 30,050,000
GO Bonds - UCPS	March 2001	56,700,000
COPs - UCPS	June 2003	8,436,943
COP's - SPCC	June 2003	4,448,730
GO BAN's - UCPS	Multiple - 2004	48,265,000
GO Bonds - UCPS	June 2005	90,000,000
COPs - UCPS	November 2006	77,640,000
GO Bonds - UCPS	September 2007	220,730,000
GO Bonds - UCPS	March 2009	64,500,000
GO Bonds - UCPS	November 2017	50,000,000
Total		\$ 650,770,673

The debt service for the outstanding portion of the \$650.7 million will be retired by March 1st, 2038.

In November 2016, a referendum was passed authorizing \$40.2 million for several South Piedmont Community College (SPCC) projects. The annual debt service impact is projected to begin in FY 2020 and would conclude within twenty years of issuance. The projected debt service for the additional \$40.2 million would equate to approximately 1.16 pennies of the projected FY 2020 ad valorem value for the maximum annual debt service payment. These bonds will be issued in August 2019.

In November 2016, a referendum was passed authorizing \$54.02 million for several Union County Public School (UCPS) projects. \$50 million of the authorized bonds were issued in November of 2017. The annual debt service impact began in FY 2020 and would conclude within twenty years of issuance. The remaining authorized amount of \$4.2M will be issued in August 2019.

The existing and adopted new education capital program debt service is shown in the following table.

Education Debt Amortization Schedule

Fiscal Year	Principal	Interest	Total
FY2020	\$ 22,753,627	\$ 10,495,691	\$ 33,249,318
FY2021	28,901,766	8,190,515	37,092,281
FY2022	28,676,524	7,260,847	35,937,371
FY2023	28,456,547	6,164,730	34,621,277
FY2024	25,940,943	5,118,753	31,059,696
FY2025	24,793,178	4,247,931	29,041,109
FY2026	24,686,179	3,466,075	28,152,254
FY2027	22,759,983	2,735,088	25,495,071
FY2028	22,144,005	1,972,643	24,116,647
FY2029	20,888,721	1,358,408	22,247,128
FY2030	18,215,802	761,865	18,977,666
FY2031	9,525,802	371,945	9,897,746
FY2032	7,455,802	158,434	7,614,236
FY2033	4,410,583	55,712	4,466,295
FY2034	2,700,583	33,598	2,734,181
FY2035	2,700,583	28,332	2,728,915
FY2036	2,700,583	23,569	2,724,152
FY2037	2,700,583	18,554	2,719,137
FY2038	2,700,583	13,539	2,714,122
FY2039	200,583	8,525	209,108
FY2040	200,583	3,009	203,592
Total	\$ 303,513,539	\$ 52,487,762	\$ 356,001,300

This list excludes any capital requests received by the Board until they are added to the CIP.

General Capital Program Debt

During the past fifteen years, \$34.2 million of GO bonds, certificates of participation, and installment financing have been issued by the County to fund General Capital Projects such as the Judicial Center, the Agricultural Center, Library projects, Law Enforcement facilities, and E911 Radio System/Equipment.

General Capital Program Debt Issuances		
Type and Purpose	Issued	Original Issue Amount
COP's - Judicial Center	June 2003	\$ 15,464,022
COP's - Ag. Center	June 2003	4,845,379
COP's - Library	June 2003	2,737,323
GO BAN's - Firearms Range	Multiple - 2004	525,000
GO BAN's - Jail Expansion	Multiple - 2004	467,500
GO BAN's - Animal Shelter	Multiple - 2004	742,500
Installment Financing - E911 Radio System	June 2009	9,390,000
Total		\$ 34,171,724

An additional \$52.6 million of GO bonds were approved by referendum for the following program.

General Capital Program Proposed Debt Issuances	
Type and Purpose	Issue Amount
Emergency Services Complex	\$ 14,509,984
Library Expansion and Development	10,100,000
Sheriff's Office Renovation and Expansion	27,650,016
Total	\$ 52,260,000

In November 2016, \$10.1 million of GO bonds were passed by referendum for a Western Union Library Project. The annual debt service of the GO bonds would begin within a year of issuance and would retire within twenty years of issuance. The projected debt service for the \$10.1 million would equate to approximately 0.33 pennies of the projected FY 2020 ad valorem value. These bond will be issued in August 2019.

In November 2018 a referendum was passed authorizing \$42.2 million for County public safety projects. \$14.5 million of the authorized bonds will be used for an Emergency Services Complex and \$27.7 will be used for Sheriff's Office Renovations and Expansion. These bonds will be issued in August 2019. The annual debt service impact began in FY 2020 and would conclude within twenty years of issuance. The projected FY 2020 debt service for the additional \$42.2 million would equate to approximately 1.38 pennies of the projected FY 2020 ad valorem value.

The County plans to issue 2/3rds GO bonds value at \$25.6 million, in August 2019. These bonds will be used to finance the purchase of an industrial park and a pump station at the industrial park for economic development, expansion and renovation to the Board of Elections facility, and financing doors and locks for jail facilities. The debt service impact for the \$25.6 million would equate to approximately 0.74 pennies of the projected FY 2020 ad valorem value.

Based on the Board of County Commissioner's direction, the General Capital Improvement Program for FY 2020-2025 includes other debt financing as a funding source. The type of debt that will be utilized is unknown at this time. As we move into future fiscal years the type of debt issued will become more relevant. The total amount of other debt financing included in the General Capital Improvement Program is \$55,897,000.

The outstanding principal amount due and the additional \$52.6 million of General Government Debt and \$25.6 million of 2/3rds General Obligation Debt is shown in the following table.

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General Government Debt Amortization Schedule

Fiscal Year	Principal	Interest	Total
FY2020	\$ 2,193,373	\$ 2,505,545	\$ 4,698,918
FY2021	6,918,235	5,903,867	12,822,102
FY2022	6,908,477	5,476,490	12,384,967
FY2023	6,808,454	5,051,267	11,859,720
FY2024	6,204,057	4,638,106	10,842,163
FY2025	6,876,822	4,218,140	11,094,962
FY2026	5,873,821	3,807,958	9,681,779
FY2027	5,860,018	3,423,105	9,283,123
FY2028	5,850,996	3,038,579	8,889,574
FY2029	5,840,280	2,690,195	8,530,474
FY2030	5,728,199	2,373,306	8,101,504
FY2031	5,728,199	2,048,035	7,776,234
FY2032	5,728,199	1,738,485	7,466,684
FY2033	5,723,417	1,494,896	7,218,313
FY2034	5,723,417	1,273,350	6,996,767
FY2035	5,722,417	1,046,316	6,768,733
FY2036	5,722,417	834,300	6,556,717
FY2037	5,722,417	616,797	6,339,214
FY2038	5,722,417	399,294	6,121,711
FY2039	5,721,417	219,291	5,940,708
FY2040	4,389,417	65,841	4,455,258
Total	\$ 120,966,462	\$ 52,863,164	\$ 173,829,626

All future general obligation debt issuance projections have been calculated on generally accepted repayment methods, with level principal structure, interest rates of 5%, and a 20 year amortization period.

Public Works Capital Program Debt

During the past twenty years, \$221.9 million of revenue bonds and N.C. Clean Water Revolving Loans (NC CWRL) have been utilized by the County to fund water and wastewater infrastructure projects. These are delineated in the following table.

Public Works Capital Program Debt Issuances

Type	Issued	Original Issue Amount
NC CWRL	June 1998	\$ 4,673,933
Revenue Bonds	June 2003	33,130,000
NC CWRL	June 2008	15,000,000
Revenue Bonds	June 2009	20,000,000
Revenue Bonds	December 2015	22,955,000
Revenue Bonds	August 2017	58,990,000
Revenue Bonds	May 2019	67,160,000
Total		\$ 221,908,933

Additional water and waste water revenue bonds is proposed over the next five years to fund the water and wastewater system improvement and expansion projects. Planned issuance timing and amount are shown below are unknown at the time.

Public Works Capital Program Proposed Debt Issuances

Type	Timing	Revenue Bond Amount
Revenue Bonds	FY 2021	\$ 233,906,626
Revenue Bonds	FY 2022	32,200,000
Revenue Bonds	FY 2024	26,700,000
Total		\$ 292,806,626

The annual debt service impact of the four proposed additional revenue bond issuances totaling \$292.8 million is projected to begin in FY 2022, FY 2023, and FY 2025 respectively; and would conclude within twenty-five years for each issuance. The projected existing and proposed additional public works capital program debt service is shown in the following table.

Public Works Debt Amortization Schedule

Fiscal Year	Principal	Interest	Total
FY2020	\$ 5,145,000	\$ 10,052,720	\$ 15,197,720
FY2021	7,855,000	19,391,393	27,246,393
FY2022	12,465,000	19,048,969	31,513,969
FY2023	13,020,000	20,118,200	33,138,200
FY2024	14,345,000	19,519,693	33,864,693
FY2025	15,000,000	20,219,350	35,219,350
FY2026	16,320,000	19,514,828	35,834,828
FY2027	17,065,000	18,752,122	35,817,122
FY2028	17,835,000	17,968,264	35,803,264
FY2029	17,930,000	17,120,921	35,050,921
FY2030	16,805,000	16,324,571	33,129,571
FY2031	17,600,000	15,524,515	33,124,515
FY2032	18,420,000	14,714,849	33,134,849
FY2033	19,285,000	13,862,898	33,147,898
FY2034	20,185,000	12,966,187	33,151,187
FY2035	19,790,000	12,026,875	31,816,875
FY2036	20,720,000	11,093,900	31,813,900
FY2037	21,675,000	10,139,763	31,814,763
FY2038	22,670,000	9,139,750	31,809,750
FY2039	23,725,000	8,080,350	31,805,350
FY2040	24,835,000	6,970,825	31,805,825
FY2041	20,520,000	5,808,500	26,328,500
FY2042	21,540,000	4,782,500	26,322,500
FY2043	22,620,000	3,705,500	26,325,500
FY2044	23,750,000	2,574,500	26,324,500
FY2045	16,760,000	1,393,500	18,153,500
FY2046	3,790,000	560,500	4,350,500
FY2047	3,980,000	371,000	4,351,000
FY2048	1,800,000	178,500	1,978,500
FY2049	1,890,000	88,500	1,978,500
Total	\$ 479,340,000	\$ 332,013,941	\$ 811,353,941

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All future debt issuance projections have been calculated on generally accepted repayment methods, with interest rates of 5% and a 25 year amortization period.

Debt Management and Debt Ratios

As a result of growth, there was pressure to expand a variety of needs within the County. As such, the County tries to provide a service that is appropriate, equitable and fiscally conscious. Some of the reasons Union County drew people and benefitted from growth were: the tax rate, schools, availability of homes, and nearby jobs.

In 2000 Union County ranked 49th in highest tax rate within the State, at \$0.7765 per \$100 of assessed value, today the County ranks 19th. Over that same period 59 (of 100) counties increased their tax rate, while the balance either decreased or stayed the same. Union County's rate increase was the 8th largest in the State.

The County has identified key debt ratios that are used in determining creditworthiness. The County is responsible for annual updates with the three rating agencies, and uses this information and that of other counties to weigh the County against other North Carolina counties.

More appropriately, Union County is compared against the counties whose population is greater than 100,000, to get a better idea of those that are similar in size and dealing with similar issues. The following is a comparison of the 26 North Carolina counties that fit that description, and is provided based on FY 2018 audits.

The following ratios are laid out in Section C, Readers Guide and Policies:

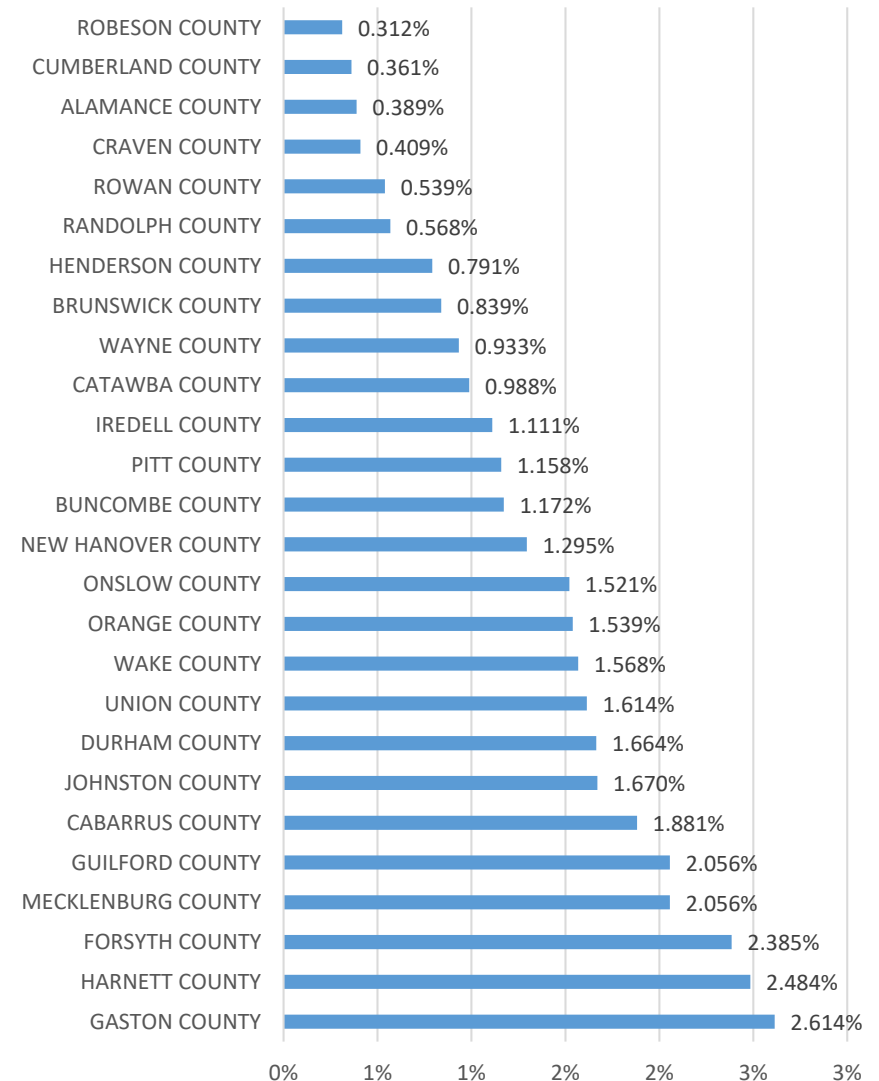
- Debt as a percentage of assessed value
- Debt Per Capita
- Debt Per Capita as a percentage of income
- Debt Service as a percentage of general fund expenditures
- General Fund Balances as a percentage of General Fund Operating Expenses

Furthermore, the tax rate has been graphed against the same group of counties with populations over 100,000.

Debt as a Percentage of Assessed Value

This is commonly referred to as leverage ratio in municipal governments and it measures the extent by which a government entity relies on tax supported debt. The calculation relies on all tax supported, long term debt and is divided by the assessed value.

(Governmental Debt/ Assessed Value)

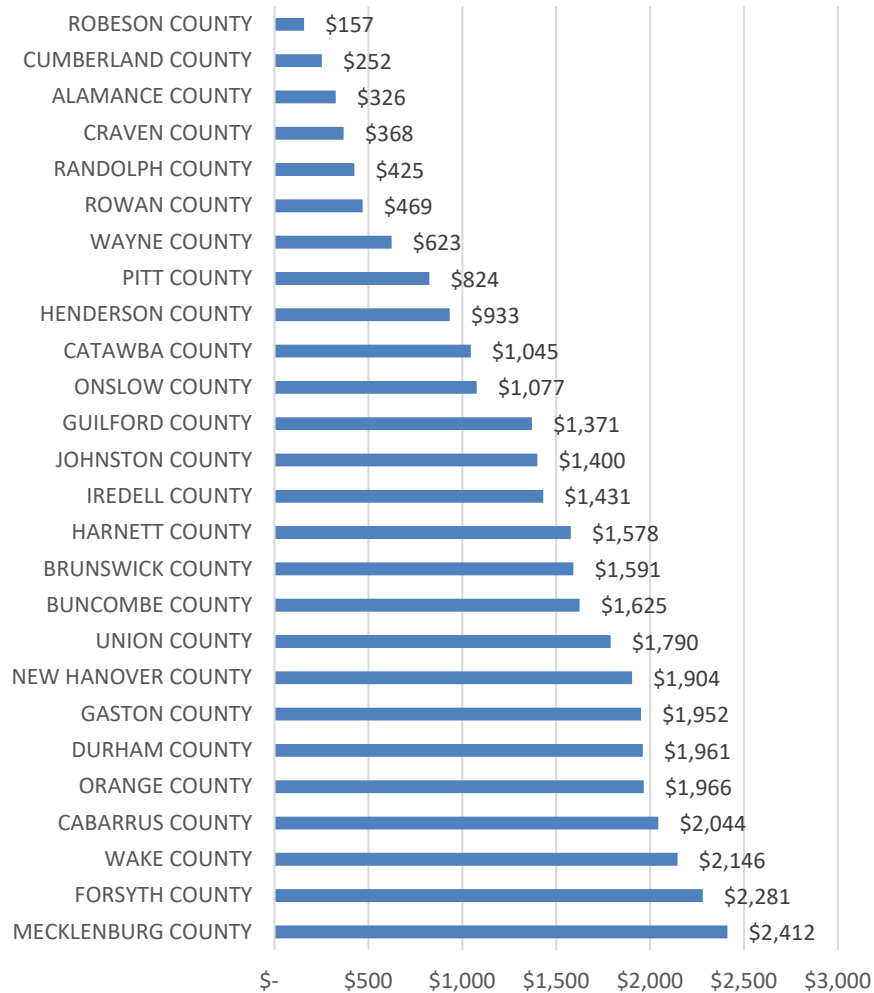


*Source: NC Department of State Treasurer's Analysis of Debt as of 06/30/2019

Debt per Capita

This is a measure of County debt on a personal basis, and it represents an individual's share of the County wide governmental debt load. The calculation relies on all tax supported, long term debt and is divided by the annual population (provided by the State demographer).

(General Government Debt/ Population)

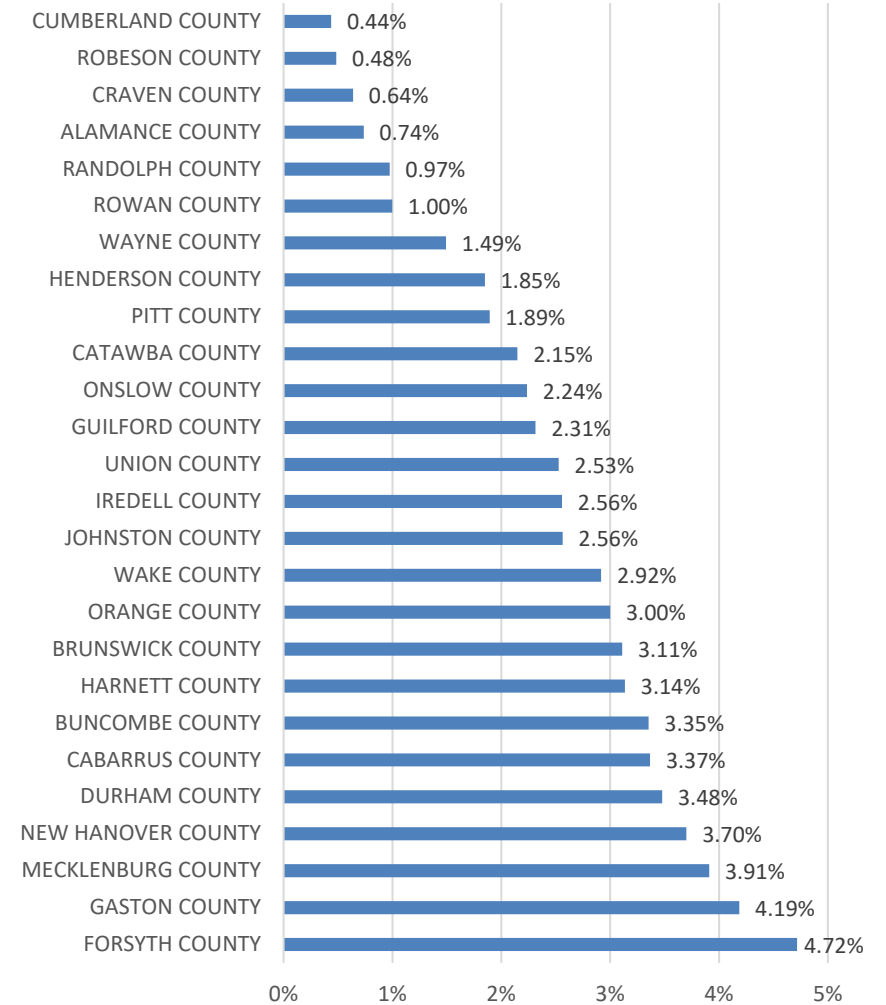


*Source: NC Department of State Treasurer's Analysis of Debt as of 06/30/2019

Debt per Capita as a percentage of income

This is a measure of debt per capita as a percentage of income, and measures affordability. This measure is commonly known as debt burden. The calculation takes the debt per capita calculation (seen to the left) and is further divided by the County's Median Household Income (provided by the Bureau of Labor Statistics).

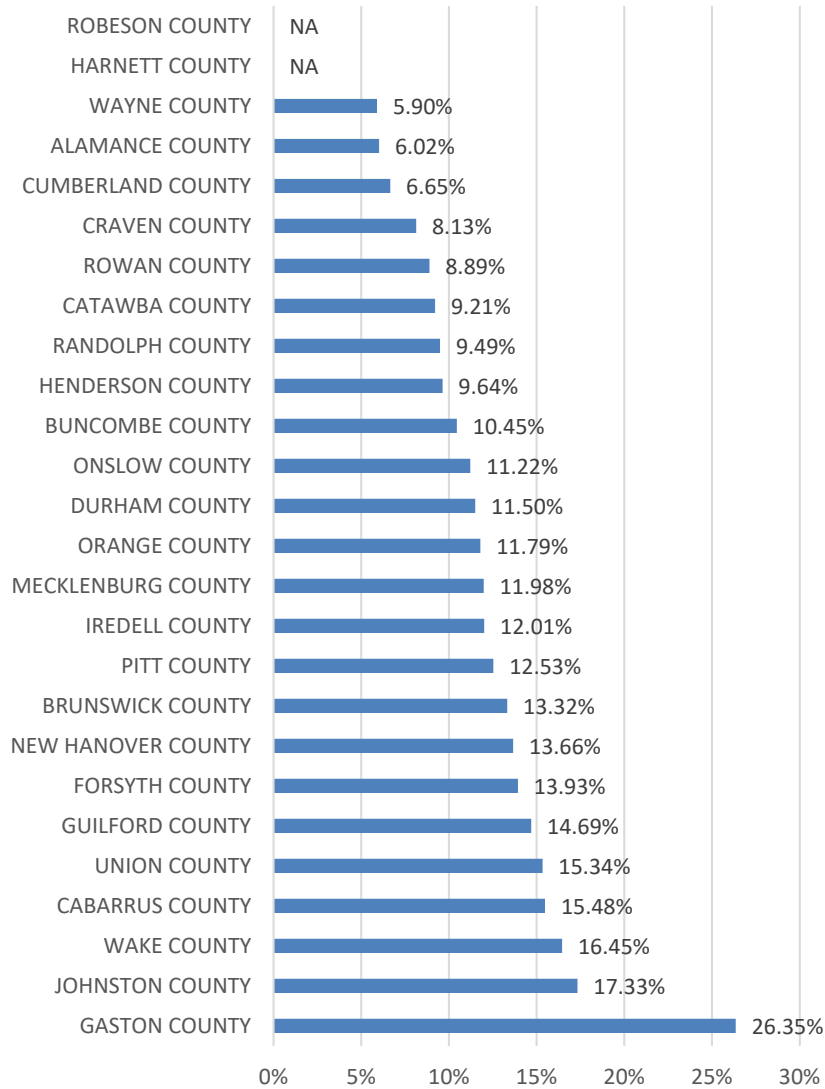
(Debt per Capita as a % of Household Income)



Debt Service Ratio

This is a measure of annual debt service, considering the total expenses of the governmental unit. The calculation provides feedback on flexibility of expenditures within the unit, whereby the higher the percentage, the less flexible the unit becomes.

(Annual Debt Service/ Total Expendures)

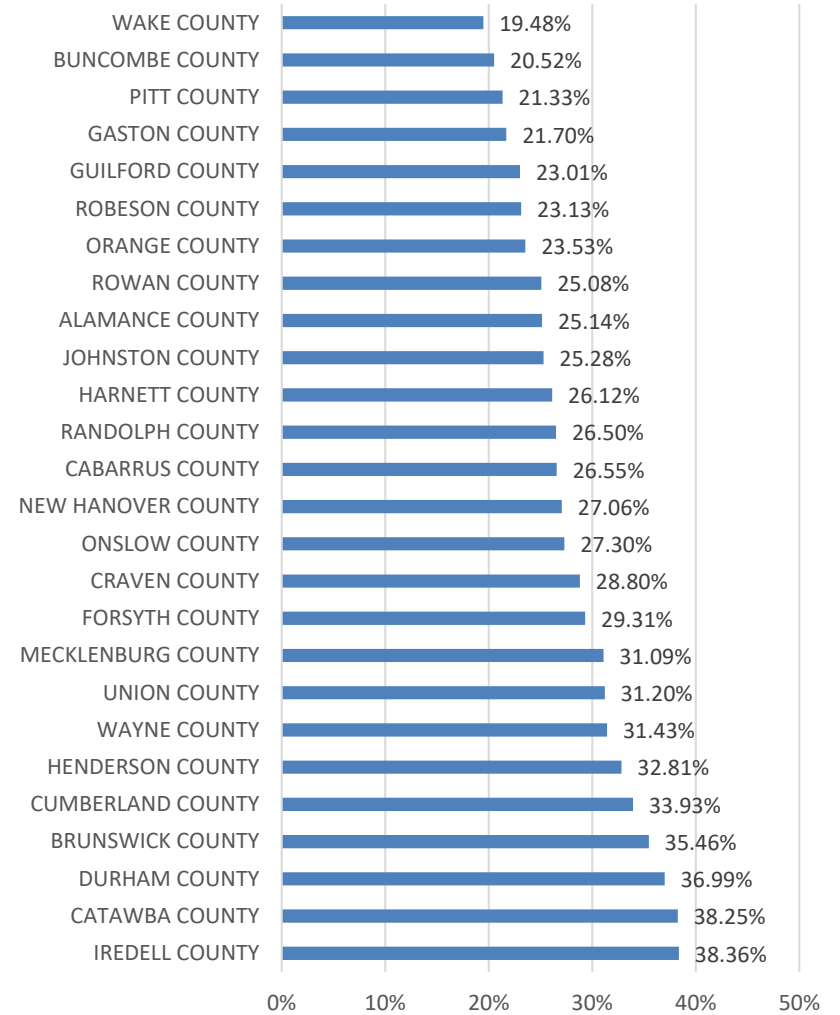


Source: NC Department of State Treasurer's AFIR by County as of 06/30/2019

Available Fund Balance Ratio

This is a measure of the solvency of a government unit. The calculation measures a County's ability to address long term obligations if revenues are not available. This is an important ratio that measures the time in which a unit could cover expenses.

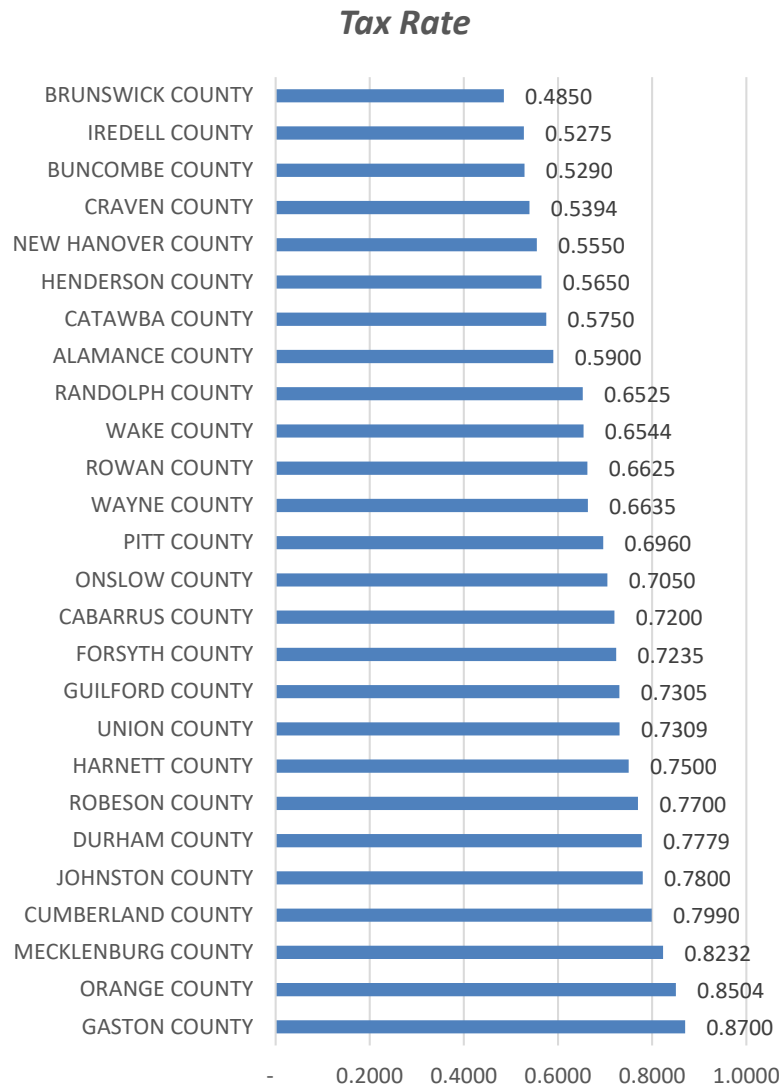
(Available Fund Balance as a % of Expenditures)



*Source: NC Department of State Treasurer's AFIR by County as of 06/30/2019

Tax Rates

The tax rate is the posted rate by which the unit of government is going to tax assessed property in the current year. There is no calculation, and the information can be found within each entity's operating budget. Some counties have bifurcated their tax rates between purposes, as Union County has done. The following (combined) rates were for FY 2018.



*Source: NC Department of State Treasurer's Analysis of Debt as of 06/30/2018

In summary, the comparative ratios rely on good data available from not only the counties, but also the State of North Carolina to be able to measure fiscal health against other, similar sized units of government.

The County has been, and continues to be, active in searching for better solutions to the debt portfolio, having refunded over \$300 million in governmental (non-enterprise) debt since 2010.

The County continues to remain strong, yet challenged by being above average with tax rate, debt ratio and debt per capita. The County pays the second greatest amount of debt service as a percentage of expenditures in the State, at 15.34% in FY 2018 (last fiscal year ended). FY 2014 was however the high water mark, as the County has averaged over 21% over the last four fiscal years, well above the average in North Carolina, and considered high by the rating agencies. The County remains the ninth highest in debt per capita and only dropping below the highest, in FY 2013, after six years topping the list.

The debt burden will remain high, in contrast to the County remaining one of the top three highest Median Household Incomes in the State. The debt to assessed value is the ninth highest in the State.

The County's willingness to hold a greater level of fund balance has acted as an offset to the amount of debt, proving helpful to the debt ratings. The County is 19th lowest among 26 counties for the available fund balance ratio.

The County has strengthened the fund balance policy, increased strategic reserves, and lowered the annual debt service through refunding opportunities. As a result, the County was rewarded with an upgrade to the General Obligation Bond ratings by Standard and Poor's in June of 2019 to AAA. Moody's Investor Services and Fitch Ratings are Aaa and AAA, respectively, the highest municipal credit rating available.