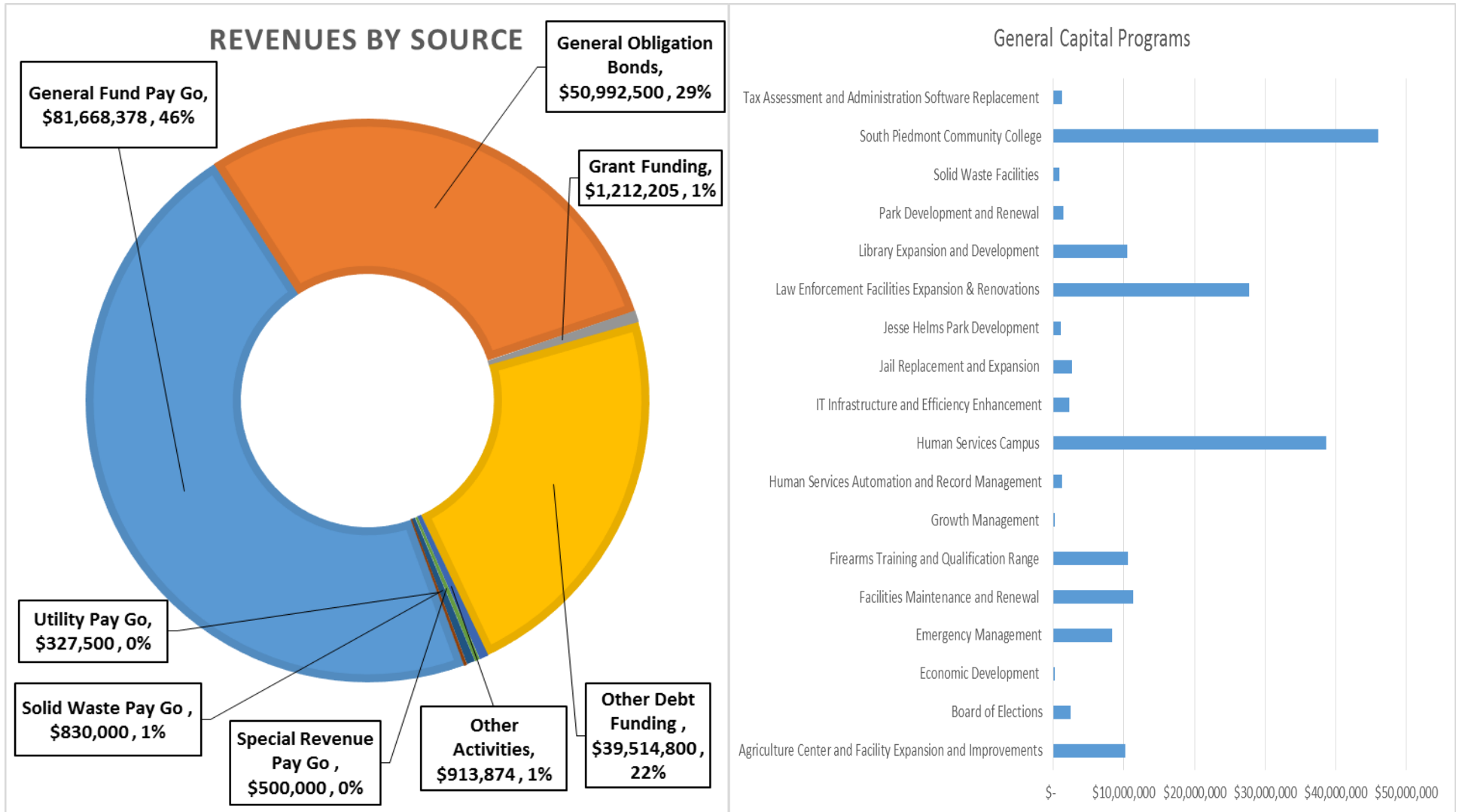


General Capital Program— \$176,709,257



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 fifteen capital programs and forty-three 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, Facilities, South Piedmont Community College (SPCC), Community Services, Emergency Management and Tax Administration programs.

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

The majority of the Facilities service area program is comprised of a major project for a new Human Services Campus, renovations to the Historic Courthouse and a few smaller maintenance and renewal projects. The Human Services Campus will house the Division of Social Services and Public Health.

The SPCC program is comprised of eleven 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 Community Services area includes an additional new library in the South West region of the County, Library Radio Frequency Identification, renovations at the Monroe Library, an expansion of the Agriculture Center for a Pavilion, as well as future Park Development and Renewal. The Park Development program includes paving, lake enhancements, and a building renovation at Cane Creek Park.

The Emergency Management Services area includes two radio projects for replacement of mobile radios and bi-directional antennas for schools.

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

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 Board of County Commissioners voted to prepare a bond referendum for November 2018. If these bonds pass, there will be an associated increase to County debt service putting additional upward pressure on debt payments and potentially the County tax rate.

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
E911 Grant Funding	0	-700,000	0	0	0	0	0	-700,000
General Fund Pay Go	-74,029,313	-2,430,605	-1,617,660	-2,315,800	-675,000	-675,000	-675,000	-82,418,378
General Obligation Bonds	-992,500	0	0	0	0	0	0	-992,500
General Obligation Bonds - 2016	-26,967,500	-12,955,000	-7,961,500	-2,116,000	0	0	0	-50,000,000
Grant Funding	-512,205	0	0	0	0	0	0	-512,205
Other activities	-913,874	0	0	0	0	0	0	-913,874
Other Debt Funding	0	0	-5,220,000	-26,270,400	-4,444,400	-3,580,000	0	-39,514,800
Solid Waste Pay Go	0	-830,000	0	0	0	0	0	-830,000
Special Revenue Fund Pay Go	0	0	-500,000	0	0	0	0	-500,000
Utility Pay Go	-327,500	0	0	0	0	0	0	-327,500
Total Sources	-103,742,892	-16,915,605	-15,299,160	-30,702,200	-5,119,400	-4,255,000	-675,000	-176,709,257

General Capital Program

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
<i>Programs</i>									
80000	Ag Center Facility Expansion & Improvements	219,000	0	728,000	5,179,200	510,000	3,580,000	0	10,216,200
80001	Board of Elections	807,630	100,000	208,000	1,372,800	0	0	0	2,488,430
80002	Emergency Management	2,189,091	5,107,660	734,660	268,000	0	0	0	8,299,411
80003	Facilities Maintenance and Renewal	8,986,709	935,358	275,000	275,000	275,000	275,000	275,000	11,297,067
80004	Firearms Training Range	8,805,665	0	1,768,000	0	0	0	0	10,573,665
80005	Growth Management	200,000	0	0	0	0	0	0	200,000
80006	Human Services Automation/Rec Mgmt	1,199,410	0	0	0	0	0	0	1,199,410
80007	Human Services Campus	42,150,000	-3,544,282	0	0	0	0	0	38,605,718
80008	IT Infrastructure & Enhancements	2,243,238	0	0	0	0	0	0	2,243,238
80009	Jail Replacement and Expansion	1,895,045	125,000	125,000	125,000	125,000	125,000	125,000	2,645,045
80010	Jesse Helms Park Development	1,013,402	0	0	0	0	0	0	1,013,402
80011	Law Enforcement Facilities Expansion & Renovations	407,700	-26,076	2,652,000	21,091,200	3,567,200	0	0	27,692,024
80012	Library Expansion and Development	2,203,332	522,500	7,777,500	0	0	0	0	10,503,332
80013	Park Development and Renewal	473,255	0	572,000	0	367,200	0	0	1,412,455
80014	South Piedmont Community College	29,499,415	12,865,445	459,000	2,391,000	275,000	275,000	275,000	46,039,860
80015	Tax Assessment Software Replacement	1,200,000	0	0	0	0	0	0	1,200,000
80016	Economic Development	250,000	0	0	0	0	0	0	250,000
80017	Solid Waste Facilities	0	830,000	0	0	0	0	0	830,000
Total	General Capital Program	103,742,892	16,915,605	15,299,160	30,702,200	5,119,400	4,255,000	675,000	176,709,257

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 Pavilion and Ancillary Facilities 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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-219,000	0	0	0	0	0	0	-219,000
Other Debt Funding		0	0	-728,000	-5,179,200	-510,000	-3,580,000	0	-9,997,200
Total Sources		-219,000	0	-728,000	-5,179,200	-510,000	-3,580,000	0	-10,216,200
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80065	4H Pavilion	119,000	0	728,000	5,179,200	510,000	3,580,000	0	10,116,200
80074	Ag Center Display Sign	100,000	0	0	0	0	0	0	100,000
Total Ag Center Facility Expansion & Improve		219,000	0	728,000	5,179,200	510,000	3,580,000	0	10,216,200

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-807,630	-100,000	-208,000	-1,372,800	0	0	0	-2,488,430
Total Sources		-807,630	-100,000	-208,000	-1,372,800	0	0	0	-2,488,430
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80084	Board of Elections Voting Machines	807,630	0	0	0	0	0	0	807,630
80107	Board of Elections Renovations	0	100,000	208,000	1,372,800	0	0	0	1,680,800
Total Board of Elections		807,630	100,000	208,000	1,372,800	0	0	0	2,488,430

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
E911 Grant Funding		0	-700,000	0	0	0	0	0	-700,000
General Fund Pay Go		-2,189,091	-4,407,660	-734,660	-268,000	0	0	0	-7,599,411
Total Sources		-2,189,091	-5,107,660	-734,660	-268,000	0	0	0	-8,299,411
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80085	Radios	466,667	466,660	466,660	0	0	0	0	1,399,987
80087	School Radio Bi-Directional	1,650,000	0	0	0	0	0	0	1,650,000
80104	911 Center Renovation and Expansion	72,424	1,730,000	0	0	0	0	0	1,802,424
80105	Radio Towers SW Union	0	2,643,000	0	0	0	0	0	2,643,000
80106	Radio Microwave Replacement	0	268,000	268,000	268,000	0	0	0	804,000
Total Emergency Management		2,189,091	5,107,660	734,660	268,000	0	0	0	8,299,411

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-8,136,778	-935,358	-275,000	-275,000	-275,000	-275,000	-275,000	-10,447,136
Other activities		-849,931	0	0	0	0	0	0	-849,931
Total Sources		-8,986,709	-935,358	-275,000	-275,000	-275,000	-275,000	-275,000	-11,297,067
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80026	Government Facilities Renovations	5,811,063	0	0	0	0	0	0	5,811,063
80054	Energy Savings Projects	168,235	-117,108	0	0	0	0	0	51,127
80062	Historic Courthouse Renovations Phase I	650,000	840,000	0	0	0	0	0	1,490,000
80068	Monroe Library Chiller Repl	200,000	-38,898	0	0	0	0	0	161,102
80069	County Facilities Repair	500,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000
80070	Community Services Replacement/Renewal	424,561	150,000	150,000	150,000	150,000	150,000	150,000	1,324,561
80072	Facilities AV Equipment	725,000	0	0	0	0	0	0	725,000
80081	Monroe Library Carpet Replacement	365,284	0	0	0	0	0	0	365,284
80083	Union Village Roof	142,566	-23,636	0	0	0	0	0	118,930
Total Facilities Maintenance and Renewal		8,986,709	935,358	275,000	275,000	275,000	275,000	275,000	11,297,067

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
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
Other activities		-33,827	0	0	0	0	0	0	-33,827
Other Debt Funding		0	0	-1,268,000	0	0	0	0	-1,268,000
Special Revenue Fund Pay Go		0	0	-500,000	0	0	0	0	-500,000
Total Sources		-8,805,665	0	-1,768,000	0	0	0	0	-10,573,665
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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	1,768,000	0	0	0	0	1,768,000
Total Firearms Training Range		8,805,665	0	1,768,000	0	0	0	0	10,573,665

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-200,000	0	0	0	0	0	0	-200,000
Total Sources		-200,000	0	0	0	0	0	0	-200,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80098	Planning - NC DOT Projects	200,000	0	0	0	0	0	0	200,000
Total Growth Management		200,000	0	0	0	0	0	0	200,000

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-687,205	0	0	0	0	0	0	-687,205
Grant Funding		-512,205	0	0	0	0	0	0	-512,205
Total Sources		-1,199,410	0	0	0	0	0	0	-1,199,410
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80059	DSS Business Automation Ph2	1,024,410	0	0	0	0	0	0	1,024,410
80061	Electronic Medical Records	175,000	0	0	0	0	0	0	175,000
Total Human Services Automation/Rec Mgmt		1,199,410	0	0	0	0	0	0	1,199,410

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-42,150,000	3,544,282	0	0	0	0	0	-38,605,718
Total Sources		-42,150,000	3,544,282	0	0	0	0	0	-38,605,718
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80057	Human Services Campus	42,150,000	-3,544,282	0	0	0	0	0	38,605,718
Total Human Services Campus		42,150,000	-3,544,282	0	0	0	0	0	38,605,718

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	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
Total Sources		-2,243,238	0	0	0	0	0	0	-2,243,238
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-1,397,429	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-2,147,429
General Obligation Bonds		-467,500	0	0	0	0	0	0	-467,500
Other activities		-30,116	0	0	0	0	0	0	-30,116
Total Sources		-1,895,045	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-2,645,045
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80018	Law Enforcement Jail Expansion	1,895,045	0	0	0	0	0	0	1,895,045
80108	Jail Replacement and Renewal	0	125,000	125,000	125,000	125,000	125,000	125,000	750,000
Total Jail Replacement and Expansion		1,895,045	125,000	125,000	125,000	125,000	125,000	125,000	2,645,045

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-1,013,402	0	0	0	0	0	0	-1,013,402
Total Sources		-1,013,402	0	0	0	0	0	0	-1,013,402
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80041	JHP Passive Area Phase 2	1,013,402	0	0	0	0	0	0	1,013,402
Total Jesse Helms Park Development		1,013,402	0	0	0	0	0	0	1,013,402

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-407,700	26,076	0	0	0	0	0	-381,624
Other Debt Funding		0	0	-2,652,000	-21,091,200	-3,567,200	0	0	-27,310,400
Total Sources		-407,700	26,076	-2,652,000	-21,091,200	-3,567,200	0	0	-27,692,024
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80063	Storage Garage-Spec Resp Veh	277,700	-26,076	0	0	0	0	0	251,624
80080	Sheriff's Office Expansion and Renovations	130,000	0	2,652,000	21,091,200	3,567,200	0	0	27,440,400
Total Law Enforcement Facilities Expansion & R		407,700	-26,076	2,652,000	21,091,200	3,567,200	0	0	27,692,024

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-353,332	-150,000	0	0	0	0	0	-503,332
General Obligation Bonds - 2016		-1,850,000	-372,500	-7,777,500	0	0	0	0	-10,000,000
Total Sources		-2,203,332	-522,500	-7,777,500	0	0	0	0	-10,503,332
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80088	Library RFID	100,000	150,000	0	0	0	0	0	250,000
80089	Monroe Library Redesign	253,332	0	0	0	0	0	0	253,332
80096	Southwest Union Library	1,850,000	372,500	7,777,500	0	0	0	0	10,000,000
Total Library Expansion and Development		2,203,332	522,500	7,777,500	0	0	0	0	10,503,332

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-473,255	0	0	0	0	0	0	-473,255
Other Debt Funding		0	0	-572,000	0	-367,200	0	0	-939,200
Total Sources		-473,255	0	-572,000	0	-367,200	0	0	-1,412,455
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80075	Parks and Recreation Paving	188,100	0	0	0	0	0	0	188,100
80090	Cane Creek Park Lake Enhancements	125,000	0	0	0	0	0	0	125,000
80097	Cane Creek Park Arcade Renovations	160,155	0	0	0	0	0	0	160,155
80100	Cane Creek Park Camp Store	0	0	291,200	0	0	0	0	291,200
80101	Cane Creek Park Bunkhouse	0	0	0	0	367,200	0	0	367,200
80102	Cane Creek Park Recreation Center/Storage Facility	0	0	280,800	0	0	0	0	280,800
Total Park Development and Renewal		473,255	0	572,000	0	367,200	0	0	1,412,455

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-4,381,915	-282,945	-275,000	-275,000	-275,000	-275,000	-275,000	-6,039,860
General Obligation Bonds - 2016		-25,117,500	-12,582,500	-184,000	-2,116,000	0	0	0	-40,000,000
Total Sources		-29,499,415	-12,865,445	-459,000	-2,391,000	-275,000	-275,000	-275,000	-46,039,860
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80066	SPCC- Welding Lab	765,352	0	0	0	0	0	0	765,352
80067	SPCC-Deferred Capital Maint	1,156,148	107,945	100,000	100,000	100,000	100,000	100,000	1,764,093
80076	SPCC Technology	1,343,315	175,000	175,000	175,000	175,000	175,000	175,000	2,393,315
80077	SPCC HVAC And Security	305,000	0	0	0	0	0	0	305,000
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	517,500	6,382,500	0	0	0	0	0	6,900,000
80094	SPCC Building B Renovations	0	0	184,000	2,116,000	0	0	0	2,300,000
80095	SPCC Western Union Classroom Building	0	6,200,000	0	0	0	0	0	6,200,000
Total South Piedmont Community College		29,499,415	12,865,445	459,000	2,391,000	275,000	275,000	275,000	46,039,860

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-1,200,000	0	0	0	0	0	0	-1,200,000
Total Sources		-1,200,000	0	0	0	0	0	0	-1,200,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80082	Tax Administration Software	1,200,000	0	0	0	0	0	0	1,200,000
Total Tax Assessment Software Replacement		1,200,000	0	0	0	0	0	0	1,200,000

Economic Development

80016

Program Summary

Program provides for the development of an Industrial Park.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-250,000	0	0	0	0	0	0	-250,000
Total Sources		-250,000	0	0	0	0	0	0	-250,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80099	EDC Industrial Park	250,000	0	0	0	0	0	0	250,000
Total Economic Development		250,000	0	0	0	0	0	0	250,000

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Solid Waste Pay Go		0	-830,000	0	0	0	0	0	-830,000
Total Sources		0	-830,000	0	0	0	0	0	-830,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
80111	Solid Waste Convenience Site-Sun Valley	0	830,000	0	0	0	0	0	830,000
Total Solid Waste Facilities		0	830,000	0	0	0	0	0	830,000

Public Works Capital Program—Six Year CIP Plan

\$624,594,252

The six-year Public Works Capital Program (PWCP) is largely based on the Comprehensive Water & Wastewater Master Plan. The Comprehensive Plan provides a twenty-year projection of system needs based on current population growth trends (2.4 percent during the planning window) population distribution trends, and historical demand data, among a number of other factors. The PWCP addresses the water and wastewater system needs for improvement, expansion, maintenance, rehabilitation, and renewal. The six-year plan strives to strike a balance between the system expansion needs and the ongoing maintenance needs, while ensuring the capacity and affordability of the system.

Revenue Highlights:

The funding of the PWCP is provided through a number of sources including:

- Revenue Bonds
- Utility Pay Go
- Capital Contributions
- Other Activities

The largest source of funding planned is the use of Revenue Bonds. Revenue Bonds are supported by the utility rate payers. Revenue bond debt is used for system improvements and expansion projects. The principle is to match the users, meaning future customers, to the future system costs. The system improvements and enhancements provide for future capacity, so rate payers in the future, through annual debt service, will incur those costs.

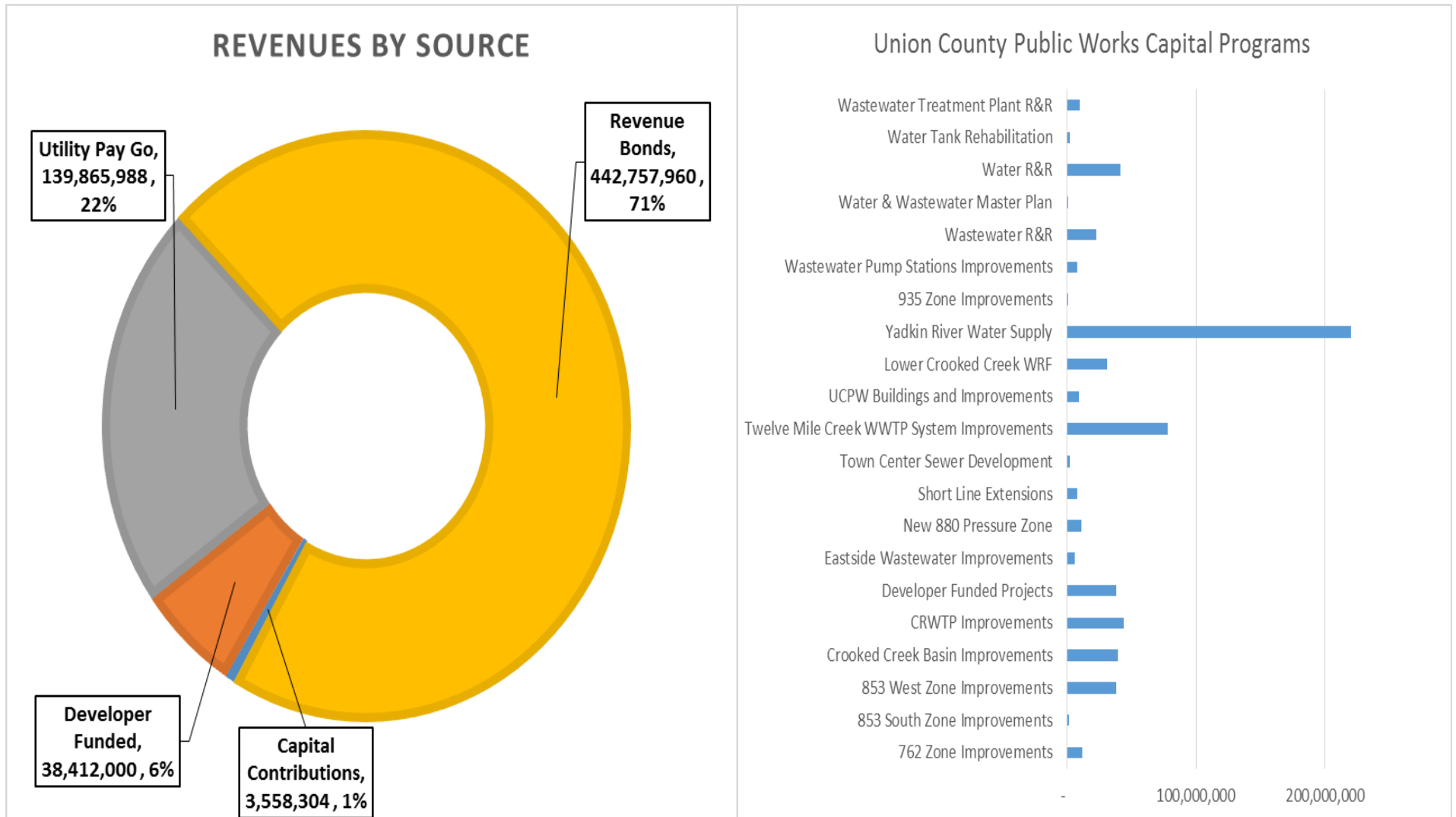
Program Highlights:

The PWCP consists of twenty one capital programs. The programs focus on system improvements and expansion and system rehabilitation and renewal.

System improvements and expansion projects focus on meeting the future capacity needs of the system based on the current system modeling.

Rehabilitation and Renewal (R&R) programs are the ongoing infrastructure maintenance projects that ensure the sustainability of the existing infrastructure.

Public Works Capital Program— \$624,594,252



Public Works Capital Program

The six-year Public Works Capital Program is largely based on the Comprehensive Water & Wastewater Master Plan.

The Comprehensive Plan provides a twenty-year projection of system needs based on current population growth trends (2.4 percent during the planning window) population distribution trends, and historical demand data, among a number of other factors.

The Public Works Capital Program addresses the water and wastewater system needs for improvement, expansion, maintenance, rehabilitation, and renewal. The six-year plan strives to strike a balance between the system expansion needs and the ongoing maintenance needs, while ensuring the capacity and affordability of the system.

Program Highlights

The adopted Public Works Capital Program consists of twenty one programs. The programs focus on system improvements and expansion (System I&E), and system rehabilitation and renewal (System R&R).

System improvements and expansion projects focus on meeting the future capacity needs of the system based on the current system modeling. By 2020, the maximum day water demand is anticipated to grow to 27.8 million gallons daily and maximum monthly average wastewater flow to 13.2 million gallons daily.

Rehabilitation and renewal programs are the ongoing infrastructure maintenance projects that ensure the sustainability of the existing infrastructure.

The adopted \$624,594,252 Public Works Capital Program is necessary to meet the needs and anticipated future demands as well as rehabilitation and renewal of current infrastructure.

Operating Budget Impact

As discussed in the funding strategy, the primary operating budget impacts will come through additional debt service. The debt impact, based on Revenue Bonds is discussed in more detail within the Debt Management section.

Additional analysis will be conducted to refine the operating budget impacts of the improvement and expansion projects as the scopes and operating plans become better defined.

Public Works Capital Program

Source of Funding	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
Misc Rev-Capital Contributions	-3,558,304	0	0	0	0	0	0	-3,558,304
Other Activities	0	0	0	0	0	0	-38,412,000	-38,412,000
Rev Bond Premium	-1,633,533	0	0	0	0	0	0	-1,633,533
Revenue Bond Proceeds	-69,509,826	-42,356,800	-189,200,000	-22,300,000	-9,900,000	-4,400,000	-22,300,000	-359,966,626
Revenue Bond Proceeds-2015	-19,350,674	0	0	0	0	0	0	-19,350,674
Revenue Bond Proceeds-2017	-61,807,127	0	0	0	0	0	0	-61,807,127
Utility Pay Go	-75,522,788	-12,343,200	-10,500,000	-15,200,000	-7,700,000	-12,200,000	-6,400,000	-139,865,988
Total Sources	-231,382,252	-54,700,000	-199,700,000	-37,500,000	-17,600,000	-16,600,000	-67,112,000	-624,594,252

Public Works Capital Program

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
<i>Programs</i>									
85000	762 Zone Improvements	5,782,700	0	0	300,000	600,000	3,900,000	1,300,000	11,882,700
85001	853 South Zone Improvements	412,000	0	0	0	200,000	1,000,000	0	1,612,000
85002	853 West Zone Improvements	1,695,000	16,400,000	2,600,000	10,700,000	6,800,000	0	0	38,195,000
85003	Crooked Creek Basin Improvements	18,488,800	1,200,000	2,900,000	6,700,000	500,000	4,400,000	5,400,000	39,588,800
85004	CRWTP Improvements	53,998,522	-10,000,000	0	0	0	0	0	43,998,522
85006	Eastside Wastewater Improvements	6,180,000	0	0	0	0	0	0	6,180,000
85007	New 880 Pressure Zone	11,300,245	0	0	0	0	0	0	11,300,245
85008	Short Line Extensions	3,816,000	600,000	600,000	700,000	700,000	700,000	700,000	7,816,000
85009	Town Center Sewer Development	2,107,440	0	0	0	0	0	0	2,107,440
85010	Twelve Mile Ck WWTP System Imp	58,806,030	17,400,000	400,000	400,000	400,000	400,000	0	77,806,030
85011	UCPW Buildings and Improvements	9,458,326	0	0	0	0	0	0	9,458,326
85012	Lower Crooked Creek WRF	2,600,000	2,300,000	12,700,000	0	0	0	13,700,000	31,300,000
85013	Yadkin River Water Supply	31,673,040	16,400,000	168,600,000	0	0	0	3,400,000	220,073,040
85016	935 Zone Improvements	100,000	0	0	0	0	0	0	100,000
86000	Wastewater Pump Station Improvements	3,045,000	1,700,000	900,000	300,000	400,000	1,000,000	300,000	7,645,000
86001	Wastewater Rehab and Replacement	8,315,170	2,900,000	1,600,000	5,400,000	1,600,000	1,500,000	1,500,000	22,815,170
86002	Water & Wastewater Master Plan	318,000	0	400,000	0	0	0	0	718,000
86003	Water Rehab and Replacement	10,428,979	4,200,000	7,400,000	10,900,000	4,600,000	1,900,000	2,000,000	41,428,979
86004	Water Tank Rehabilitation	1,357,000	0	0	400,000	0	0	400,000	2,157,000
86005	Waste Water Treatment Plant RR	1,500,000	1,600,000	1,600,000	1,700,000	1,800,000	1,800,000	0	10,000,000
88888	Developer Funded Projects	0	0	0	0	0	0	38,412,000	38,412,000
Total	Public Works Capital Program	231,382,252	54,700,000	199,700,000	37,500,000	17,600,000	16,600,000	67,112,000	624,594,252

762 Zone Improvements

85000

Program Summary

Program provides for system improvements as outlined in detail in the Comprehensive Water & Wastewater Master Plan. These improvements include the installation of water mains, pump modifications, elevated storage tanks, and other necessary improvements to provide sufficient water supply and fire flow in the area.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
Revenue Bond Proceeds	-4,101,000	0	0	0	0	0	-1,300,000	-5,401,000
Utility Pay Go	-1,681,700	0	0	-300,000	-600,000	-3,900,000	0	-6,481,700
Total Sources	-5,782,700	0	0	-300,000	-600,000	-3,900,000	-1,300,000	-11,882,700

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84014	762 Zone Transmission Main (Bypass)	1,681,700	0	0	0	0	0	0	1,681,700
84084	New Additional Marshville Tank	3,701,000	0	0	0	0	0	0	3,701,000
84095	762 Zone Misc Improvements	400,000	0	0	0	0	0	0	400,000
UT105	762 Zone Expansion	0	0	0	300,000	0	0	0	300,000
UT111	Forest Park Forecmain & Interceptor Improvements	0	0	0	0	600,000	3,900,000	0	4,500,000
WT062	762 Zone Main	0	0	0	0	0	0	1,300,000	1,300,000
Total	762 Zone Improvements	5,782,700	0	0	300,000	600,000	3,900,000	1,300,000	11,882,700

853 South Zone Improvements

85001

Program Summary

Program provides for system improvements as outlined in detail in the Comprehensive Water & Wastewater Master Plan. These improvements include the installation of pressure reducing valves, 12-inch water mains, elevated storage tanks, and other necessary improvements to provides sufficient water supply and fire flow in the area.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds		-412,000	0	0	0	0	0	0	-412,000
Utility Pay Go		0	0	0	0	-200,000	-1,000,000	0	-1,200,000
Total Sources		-412,000	0	0	0	-200,000	-1,000,000	0	-1,612,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84082	853 South Zone Tank	412,000	0	0	0	0	0	0	412,000
UT101	Hwy 75 Pump Station Upgrades	0	0	0	0	200,000	1,000,000	0	1,200,000
Total 853 South Zone Improvements		412,000	0	0	0	200,000	1,000,000	0	1,612,000

853 West Zone Improvements

85002

Program Summary

Program provides for system improvements as outlined in detail in the Comprehensive Water & Wastewater Master Plan. These improvements include the installation of 16-inch and 36-inch water mains, pump modifications, elevated storage tanks, and other necessary improvements to provides sufficient water supply and fire flow in the area.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds		-412,000	-15,700,000	-2,600,000	-10,700,000	-6,800,000	0	0	-36,212,000
Revenue Bond Proceeds-2015		-44,803	0	0	0	0	0	0	-44,803
Utility Pay Go		-1,238,197	-700,000	0	0	0	0	0	-1,938,197
Total Sources		-1,695,000	-16,400,000	-2,600,000	-10,700,000	-6,800,000	0	0	-38,195,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84085	IT Add Tank 1/Watkins BPS Impr	139,704	0	0	1,000,000	6,800,000	0	0	7,939,704
84086	853 West Transmission Main	1,555,296	15,300,000	0	0	0	0	0	16,855,296
UT102	853 West Zone Transmission Main Phase 2	0	400,000	2,600,000	9,700,000	0	0	0	12,700,000
UT103	Billy Howey Waterline Extension	0	700,000	0	0	0	0	0	700,000
Total 853 West Zone Improvements		1,695,000	16,400,000	2,600,000	10,700,000	6,800,000	0	0	38,195,000

Crooked Creek Basin Improvements

85003

Program Summary

Program provides for various improvements needed within the Crooked Creek Sewer Basin to reduce inflow and infiltration into the Crooked Creek Waste Water Treatment Plant and to improve the hydraulics for wastewater flow. These projects include an Inflow and Infiltration Study, Headworks Improvements at the Plant, a phased series of Interceptor Improvements, upgrades for replacement of the Forest Park Pump Station, and other necessary improvements.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
Revenue Bond Proceeds	-6,355,500	100,000	0	-6,700,000	-500,000	-4,400,000	-5,400,000	-23,255,500
Revenue Bond Proceeds-2015	-410,422	0	0	0	0	0	0	-410,422
Revenue Bond Proceeds-2017	-5,998,000	0	0	0	0	0	0	-5,998,000
Utility Pay Go	-5,724,878	-1,300,000	-2,900,000	0	0	0	0	-9,924,878
Total Sources	-18,488,800	-1,200,000	-2,900,000	-6,700,000	-500,000	-4,400,000	-5,400,000	-39,588,800

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
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Program Projects

85039	CC I&I Study & Remediation	513,425	0	0	0	0	0	0	513,425
85040	CC Interceptor Improvements PH I	4,240,375	0	1,000,000	6,700,000	0	0	0	11,940,375
85049	Forest Park PS Replacement & II	4,040,000	0	0	0	0	0	0	4,040,000
85051	Suburban Est PS & Force Main	157,000	900,000	0	0	0	0	0	1,057,000
85515	CC Headworks Improvements	9,538,000	0	0	0	0	0	0	9,538,000
UT001	Crooked Creek Interceptor Improvements Ph 2	0	0	0	0	500,000	3,700,000	0	4,200,000
UT002	Crooked Creek Interceptor Improvements Ph 3	0	0	0	0	0	700,000	5,000,000	5,700,000
UT014	Crooked Creek Interceptor Improvements Ph 4	0	0	0	0	0	0	400,000	400,000
UT112	Crooked Creek Diversion Pumping Improvements	0	300,000	1,900,000	0	0	0	0	2,200,000
Total Crooked Creek Basin Improvements		18,488,800	1,200,000	2,900,000	6,700,000	500,000	4,400,000	5,400,000	39,588,800

CRWTP Improvements

85004

Program Summary

Program provides for the Catawba River Water Treatment Plant (CRWTP) Improvements that are needed to increase the capacity of the existing plant to meet future population demands based on current growth projections. This project include process improvements, CRWTP expansion of 9mgd, and other necessary improvements. In addition a new 1 BGD raw water reservoir is proposed for on-site storage to reduce withdrawals from the Catawba River during low flow conditions.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Misc Rev-Capital Contributions		-1,829,829	0	0	0	0	0	0	-1,829,829
Revenue Bond Proceeds		-23,179,710	10,000,000	0	0	0	0	0	-13,179,710
Revenue Bond Proceeds-2015		-1,979,345	0	0	0	0	0	0	-1,979,345
Revenue Bond Proceeds-2017		-21,927,927	0	0	0	0	0	0	-21,927,927
Utility Pay Go		-5,081,711	0	0	0	0	0	0	-5,081,711
Total Sources		-53,998,522	10,000,000	0	0	0	0	0	-43,998,522
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84502	CRWTP Reservoir Expansion	28,056,927	0	0	0	0	0	0	28,056,927
84503	CRWTP Process Improvements	6,247,606	0	0	0	0	0	0	6,247,606
84506	CRWTP Plant Expansion	19,693,989	-10,000,000	0	0	0	0	0	9,693,989
Total CRWTP Improvements		53,998,522	-10,000,000	0	0	0	0	0	43,998,522

Eastside Wastewater Improvements

85006

Program Summary

Program provides for various improvements needed in the Eastside Service Area to reduce inflow and infiltration and to improve the hydraulics for the wastewater flow. These projects include the Eastside Pump Stations 1, 2 and 3 and the force main replacement project; a new interceptor along Rays Fork and a future expansion of the City of Monroe's Waste Water Treatment Plant, as well as other necessary improvements.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds-2015		-370,003	0	0	0	0	0	0	-370,003
Utility Pay Go		-5,809,997	0	0	0	0	0	0	-5,809,997
Total Sources		-6,180,000	0	0	0	0	0	0	-6,180,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
85012	Rays Fork Interceptor	6,180,000	0	0	0	0	0	0	6,180,000
Total Eastside Wastewater Improvements		6,180,000	0	0	0	0	0	0	6,180,000

New 880 Pressure Zone

85007

Program Summary

Program provides for the creation a new pressure zone for the high elevation customers in the north-west portion of the 853 West Zone, projects required to develop the 880 Pressure Zone including construction of a new 6.4 MGD Booster Pump Station, installation of pressure reducing valves, the decommissioning of the existing Waxhaw-Marvin Booster Pumping Station, and other necessary improvements.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds-2015		-3,709,187	0	0	0	0	0	0	-3,709,187
Utility Pay Go		-7,591,058	0	0	0	0	0	0	-7,591,058
Total Sources		-11,300,245	0	0	0	0	0	0	-11,300,245
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84070	Weddington Elevated Storage Tank	5,774,045	0	0	0	0	0	0	5,774,045
84079	Development of 880 Pressure Zone	5,126,200	0	0	0	0	0	0	5,126,200
85052	Waxhaw Marvin PS Decommission	400,000	0	0	0	0	0	0	400,000
Total New 880 Pressure Zone		11,300,245	0	0	0	0	0	0	11,300,245

Short Line Extensions

85008

Program Summary

Program provides projects as outlined in the Extension Ordinance to allow Union County Public Works to extend water service and provide an environmental benefit to qualifying applicants in Union County.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Misc Rev-Capital Contributions		-34,825	0	0	0	0	0	0	-34,825
Rev Bond Premium		-369,460	0	0	0	0	0	0	-369,460
Revenue Bond Proceeds		-493,099	0	0	0	0	0	0	-493,099
Utility Pay Go		-2,918,616	-600,000	-600,000	-700,000	-700,000	-700,000	-700,000	-6,918,616
Total Sources		-3,816,000	-600,000	-600,000	-700,000	-700,000	-700,000	-700,000	-7,816,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84016	Short Line Extensions Water	3,816,000	600,000	600,000	700,000	700,000	700,000	700,000	7,816,000
Total	Short Line Extensions	3,816,000	600,000	600,000	700,000	700,000	700,000	700,000	7,816,000

Town Center Sewer Development

85009

Program Summary

Program provides for Town Center Sewer Development and consists of community outreach programs to various towns located within the Union County Public Works service area. These programs will improve existing wastewater infrastructure or provide solutions for addressing new wastewater service in these towns. The towns of Mineral Springs, Stallings, and Fairview were identified in the 2011 Master Plan for service and infrastructure improvements.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds-2015		-1,180,806	0	0	0	0	0	0	-1,180,806
Utility Pay Go		-926,634	0	0	0	0	0	0	-926,634
Total Sources		-2,107,440	0	0	0	0	0	0	-2,107,440
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
85036	Stallings- Collection System	431,200	0	0	0	0	0	0	431,200
85038	Mineral Springs-Collection Sys	1,267,240	0	0	0	0	0	0	1,267,240
85043	Indian Trail Town Center WW Service	103,000	0	0	0	0	0	0	103,000
85044	Fairview Downtown WW Service	206,000	0	0	0	0	0	0	206,000
85048	Weddington Downtown Development	100,000	0	0	0	0	0	0	100,000
Total Town Center Sewer Development		2,107,440	0	0	0	0	0	0	2,107,440

Twelve Mile Ck WWTP System Imp

85010

Program Summary

Program provides for Twelve Mile Creek Waste Water Treatment Plant (WWTP) System Improvements that involve various improvements needed within the Twelve Mile Creek WWTP Service Area to reduce inflow and infiltration into the Twelve Mile Creek WWTP and to improve the hydraulics for the wastewater flow. These projects include the Twelve Mile WWTP conceptual design and interim improvements study, subsequent expansion of the WWTP, a phased series of Interceptor Improvements along both the East Fork and West Fork tributaries; installation of new diversion pump station and force main and the decommission of the Hunley Creek WWTP.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Misc Rev-Capital Contributions		-1,693,650	0	0	0	0	0	0	-1,693,650
Revenue Bond Proceeds		-1,641,600	-16,956,800	0	0	0	0	0	-18,598,400
Revenue Bond Proceeds-2015		-4,702,687	0	0	0	0	0	0	-4,702,687
Revenue Bond Proceeds-2017		-33,881,200	0	0	0	0	0	0	-33,881,200
Utility Pay Go		-16,886,893	-443,200	-400,000	-400,000	-400,000	-400,000	0	-18,930,093
Total Sources		-58,806,030	-17,400,000	-400,000	-400,000	-400,000	-400,000	0	-77,806,030
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
85032	East Fork 12M Parallel Trunk	7,366,865	0	0	0	0	0	0	7,366,865
85042	Blythe Creek Sewer Improvements	3,083,200	0	0	0	0	0	0	3,083,200
85047	West Fork 12ML Interc Improvements	1,859,295	11,600,000	0	0	0	0	0	13,459,295
85056	Waxhaw Interceptor	500,000	5,400,000	0	0	0	0	0	5,900,000
85509	12 ML WWTP Design & Int Improvements	3,490,093	0	0	0	0	0	0	3,490,093
85516	Hunley Creek WWTP Decommission	127,000	0	0	0	0	0	0	127,000
85517	12 Mile Creek WWTP Expansion	42,379,577	0	0	0	0	0	0	42,379,577
UT114	12-Mile Creek I & I Abatement	0	400,000	400,000	400,000	400,000	400,000	0	2,000,000
Total	Twelve Mile Ck WWTP System Imp	58,806,030	17,400,000	400,000	400,000	400,000	400,000	0	77,806,030

UCPW Buildings and Improvements

85011

Program Summary

Program provides for the Union County Public Works Buildings and improvements including facility renovations within the 4th and 5th floors of the Government Center and the design, engineering and construction for a new Operations Center, and other necessary improvements.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds-2015		-3,843,677	0	0	0	0	0	0	-3,843,677
Utility Pay Go		-5,614,649	0	0	0	0	0	0	-5,614,649
Total Sources		-9,458,326	0	0	0	0	0	0	-9,458,326
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
86006	Expand Operations Center	9,458,326	0	0	0	0	0	0	9,458,326
Total UCPW Buildings and Improvements		9,458,326	0	0	0	0	0	0	9,458,326

Lower Crooked Creek WRF

85012

Program Summary

Program provides for a new Lower Crooked Creek (WRF) System Improvements that involves improvements needed within the Crooked Creek Service Area to improve wastewater treatment and improve the hydraulics for wastewater flow.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds		-2,600,000	-1,200,000	-12,700,000	0	0	0	-12,200,000	-28,700,000
Utility Pay Go		0	-1,100,000	0	0	0	0	-1,500,000	-2,600,000
Total Sources		-2,600,000	-2,300,000	-12,700,000	0	0	0	-13,700,000	-31,300,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
85050	Poplin Road PS Interim Improvements	1,100,000	1,800,000	12,700,000	0	0	0	0	15,600,000
85520	Lower Crooked Creek WRF	1,500,000	500,000	0	0	0	0	12,200,000	14,200,000
UT024	Poplin Road Interceptor	0	0	0	0	0	0	1,500,000	1,500,000
Total Lower Crooked Creek WRF		2,600,000	2,300,000	12,700,000	0	0	0	13,700,000	31,300,000

Yadkin River Water Supply

85013

Program Summary

Program provides for the initial efforts to increase the long-term water supply. The 2011 Master Plan identified several long-term water supply alternative scenarios to meet expected future water demands through 2040. Due to the lack of an adequate water supply source within Union County's borders, all of the alternative scenarios require a new Inner Basin Transfer (IBT) certificate from the Yadkin-Pee Dee River Basin. An IBT certificate for Union County and the Town of Wingate was issued on May 11, 2017 by the Environmental Management Commission.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Revenue Bond Proceeds		-30,014,917	-16,400,000	-168,600,000	0	0	0	-3,400,000	-218,414,917
Revenue Bond Proceeds-2015		-1,658,123	0	0	0	0	0	0	-1,658,123
Total Sources		-31,673,040	-16,400,000	-168,600,000	0	0	0	-3,400,000	-220,073,040
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84089	Yadkin Distribution System Improvements	4,300,000	-4,300,000	0	0	0	0	3,400,000	3,400,000
84090	Raw Water Intake & Pump Station	900,000	21,900,000	88,400,000	0	0	0	0	111,200,000
84091	Raw Water Transmission Main	12,500,000	-12,500,000	0	0	0	0	0	0
84504	Yadkin Water Supply	4,730,410	300,000	0	0	0	0	0	5,030,410
84507	New Yadkin Water Treatment Plant	9,242,630	11,000,000	80,200,000	0	0	0	0	100,442,630
Total Yadkin River Water Supply		31,673,040	16,400,000	168,600,000	0	0	0	3,400,000	220,073,040

935 Zone Improvements

85016

Program Summary

Program provides for system improvements as outlined in the Comprehensive Water and Wastewater Master Plan. These improvements include the installation of booster pumping station facilities, elevated storage facilities, and other necessary improvements to provide sufficient water supply and fire flow within the 935 Zone boundary.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Utility Pay Go		-100,000	0	0	0	0	0	0	-100,000
Total Sources		-100,000	0	0	0	0	0	0	-100,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84100	935 Zone Study	100,000	0	0	0	0	0	0	100,000
Total 935 Zone Improvements		100,000	0	0	0	0	0	0	100,000

Wastewater Pump Station Improvements

86000

Program Summary

Program provides for Wastewater Pump Station Improvements as an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing Wastewater Pump Stations. This program includes upgrades of the existing pump stations including, but not limited to, motors, drives, pumps, telemetry, generators, force mains and odors. Four pump stations have been identified that need significant improvements and require an individual operating general ledger account organizational code for each station: Suburban Estates, Helmsville, Forest Park and 21-25 Pump Stations. In addition, this project will provide for rehabilitation of aging and inadequate wastewater infrastructure, manholes and sewer system evaluation and survey, condition assessment and reduction of sanitary sewer overflows within the collection system.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
Revenue Bond Proceeds	-300,000	300,000	0	0	0	0	0	0
Revenue Bond Proceeds-2015	-62,459	0	0	0	0	0	0	-62,459
Utility Pay Go	-2,682,541	-2,000,000	-900,000	-300,000	-400,000	-1,000,000	-300,000	-7,582,541
Total Sources	-3,045,000	-1,700,000	-900,000	-300,000	-400,000	-1,000,000	-300,000	-7,645,000

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
85041	Wastewater Pump Station Improvements	1,503,000	1,300,000	0	0	0	0	0	2,803,000
85045	Collection System SSES & Rehab	580,000	100,000	600,000	0	100,000	700,000	0	2,080,000
85046	Pumping Station Upgrades	962,000	300,000	300,000	300,000	300,000	300,000	300,000	2,762,000
Total	Wastewater Pump Station Improvements	3,045,000	1,700,000	900,000	300,000	400,000	1,000,000	300,000	7,645,000

Wastewater Rehab and Replacement

86001

Program Summary

Program provides for Wastewater Rehabilitation and Replacement as an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing Wastewater Facilities. The initial projects identified are the Tallwood Waste Water Treatment Plant (WWTP) replacement and the Olde Sycamore WWTP Improvements. The Tallwood WWTP replacement is replacing an aging and deteriorating existing plant while the Olde Sycamore WWTP Improvements address existing problems affecting functionality of the existing plant.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
Rev Bond Premium	-299,498	0	0	0	0	0	0	-299,498
Revenue Bond Proceeds-2015	-114,377	0	0	0	0	0	0	-114,377
Utility Pay Go	-7,901,295	-2,900,000	-1,600,000	-5,400,000	-1,600,000	-1,500,000	-1,500,000	-22,401,295
Total Sources	-8,315,170	-2,900,000	-1,600,000	-5,400,000	-1,600,000	-1,500,000	-1,500,000	-22,815,170

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84104	CSX Relocation of Lines	297,328	0	0	0	0	0	0	297,328
85006	Wastewater R&R Program	3,053,860	700,000	700,000	700,000	1,500,000	1,500,000	1,500,000	9,653,860
85007	Wastewater R&R-Waxhaw Sewer Line	397,672	0	0	0	0	0	0	397,672
85008	Manhole Rehab 12ML & Grassy Branch	614,565	0	0	0	0	0	0	614,565
85009	SCADA Master Plan Update - Sewer	1,300,000	600,000	900,000	4,700,000	100,000	0	0	7,600,000
85513	Tallwood WWTP Replacement	2,381,745	0	0	0	0	0	0	2,381,745
85519	Olde Sycamore WWTP Improvements	270,000	0	0	0	0	0	0	270,000
UT113	Tarkhill Force Main	0	1,600,000	0	0	0	0	0	1,600,000
Total	Wastewater Rehab and Replacement	8,315,170	2,900,000	1,600,000	5,400,000	1,600,000	1,500,000	1,500,000	22,815,170

Water & Wastewater Master Plan

86002

Program Summary

Program provides for regular updates to the Master Plans. This project will ensure that the Water and Wastewater Master Plan is updated on a five (5) year cycle. Which will provide updated project plans.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Utility Pay Go		-318,000	0	-400,000	0	0	0	0	-718,000
Total Sources		-318,000	0	-400,000	0	0	0	0	-718,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
86007	Master Plan Update	318,000	0	400,000	0	0	0	0	718,000
Total Water & Wastewater Master Plan		318,000	0	400,000	0	0	0	0	718,000

Water Rehab and Replacement

86003

Program Summary

Program provides for Water Rehabilitation and Replacement as an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing Water Infrastructure. The construction projects identified are the Hwy 84 24-inch water main relocation and the Hwy 75 Booster Pump Station rehabilitation. In addition, an annual program is underway to replace existing galvanized water lines which are inadequate and provide various hydraulic, water quality and maintenance issues.

Project Phase/Source of Funding	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
Rev Bond Premium	-964,575	0	0	0	0	0	0	-964,575
Revenue Bond Proceeds	0	-2,500,000	-5,300,000	-4,900,000	-2,600,000	0	0	-15,300,000
Revenue Bond Proceeds-2015	-1,274,785	0	0	0	0	0	0	-1,274,785
Utility Pay Go	-8,189,619	-1,700,000	-2,100,000	-6,000,000	-2,000,000	-1,900,000	-2,000,000	-23,889,619
Total Sources	-10,428,979	-4,200,000	-7,400,000	-10,900,000	-4,600,000	-1,900,000	-2,000,000	-41,428,979

Water Rehab and Replacement

86003

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
<i>Program Projects</i>									
84000	Galvanized Line Repl FY 13	502,156	0	0	0	0	0	0	502,156
84007	HWY 84 24 Water Line Replacement	493,860	0	0	0	0	0	0	493,860
84015	Water R&R Program	650,317	500,000	600,000	600,000	1,200,000	1,200,000	1,300,000	6,050,317
84018	Galvanized Water Line Repl	639,706	0	0	0	0	0	0	639,706
84019	WL Repl Austin CH RD/Rocky RV	1,389,594	0	0	0	0	0	0	1,389,594
84020	Pilgrims Pride Ln & Vault Repl	62,915	0	0	0	0	0	0	62,915
84023	Galvanized Line Repl FY 15	440,485	0	0	0	0	0	0	440,485
84024	SCADA Master Plan - Water	1,300,000	600,000	900,000	4,700,000	100,000	0	0	7,600,000
84026	Galvanized Line Repl FY 16	448,675	0	0	0	0	0	0	448,675
84027	Water R&R - Sikes Mills Road	1,598,960	0	0	0	0	0	0	1,598,960
84028	Water R&R - Doster Road	481,361	0	0	0	0	0	0	481,361
84029	Galvanized Line Repl FY 17	734,850	0	0	0	0	0	0	734,850
84069	HWY 75 BPS Rehabilitation	737,034	0	0	0	0	0	0	737,034
84098	Galvanized Repl FY18 - FY2033	600,000	600,000	600,000	700,000	700,000	700,000	700,000	4,600,000
84101	Clark Street Waterline Repl	5,500	0	0	0	0	0	0	5,500
84103	Water Quality Assessment	343,566	0	0	0	0	0	0	343,566
UT115	Advanced Metering Infrastructure	0	2,500,000	5,300,000	4,900,000	2,600,000	0	0	15,300,000
Total Water Rehab and Replacement		10,428,979	4,200,000	7,400,000	10,900,000	4,600,000	1,900,000	2,000,000	41,428,979

Water Tank Rehabilitation

86004

Program Summary

Program provides Water Tank Rehabilitation as an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards asset management of existing water tanks. Projects may include, but not limited to, re-application of protective coatings, cleaning and structural inspections. The first project targeted for rehabilitation is the Marshville water tank.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Utility Pay Go		-1,357,000	0	0	-400,000	0	0	-400,000	-2,157,000
Total Sources		-1,357,000	0	0	-400,000	0	0	-400,000	-2,157,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
84080	Marshville Water Tank Rehab	639,000	0	0	0	0	0	0	639,000
84087	Storage Tank Rehabilitation	318,000	0	0	0	0	0	0	318,000
84097	Storage Tank Rehab FY18 - Fwd	400,000	0	0	400,000	0	0	400,000	1,200,000
Total Water Tank Rehabilitation		1,357,000	0	0	400,000	0	0	400,000	2,157,000

Waste Water Treatment Plant RR

86005

Program Summary

Program provides Wastewater Plant Rehabilitation as an annual program identified through UCPW's partnership with Charlotte Water as the contract operator of UCPW's wastewater treatment facilities. The program is geared towards asset management of existing wastewater treatment facilities. Projects may include, but are not limited to, assessment or treatment process studies and the replacement of mechanical, electrical, and chemical systems equipment.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Utility Pay Go		-1,500,000	-1,600,000	-1,600,000	-1,700,000	-1,800,000	-1,800,000	0	-10,000,000
Total Sources		-1,500,000	-1,600,000	-1,600,000	-1,700,000	-1,800,000	-1,800,000	0	-10,000,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
85055	WWTP R&R	1,500,000	1,600,000	1,600,000	1,700,000	1,800,000	1,800,000	0	10,000,000
Total Waste Water Treatment Plant RR		1,500,000	1,600,000	1,600,000	1,700,000	1,800,000	1,800,000	0	10,000,000

Developer Funded Projects

88888

Program Summary

Program provides for the new infrastructure required to meet potential new development in areas of the sewer collection system currently not served. These developer funded projects represent the combined cost to implement new infrastructure into these undeveloped areas. The timeline and funding for these projects will be accomplished in accordance with the Union County Line Extension Policy.

Project Phase/Source of Funding		Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
Other Activities		0	0	0	0	0	0	-38,412,000	-38,412,000
Total Sources		0	0	0	0	0	0	-38,412,000	-38,412,000
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program Projects									
88888	Developer Projects	0	0	0	0	0	0	38,412,000	38,412,000
Total Developer Funded Projects		0	0	0	0	0	0	38,412,000	38,412,000



Union County Public Schools Capital Program— Six year CIP Plan \$148,077,017

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.

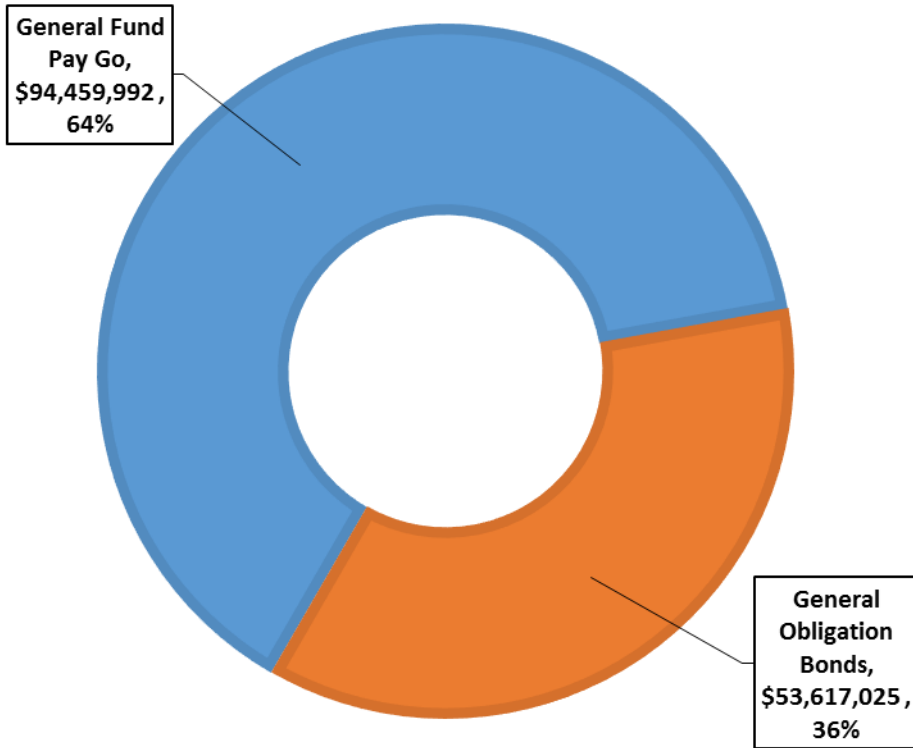
Program Highlights:

The UCPS Capital Program consists of the following programs:

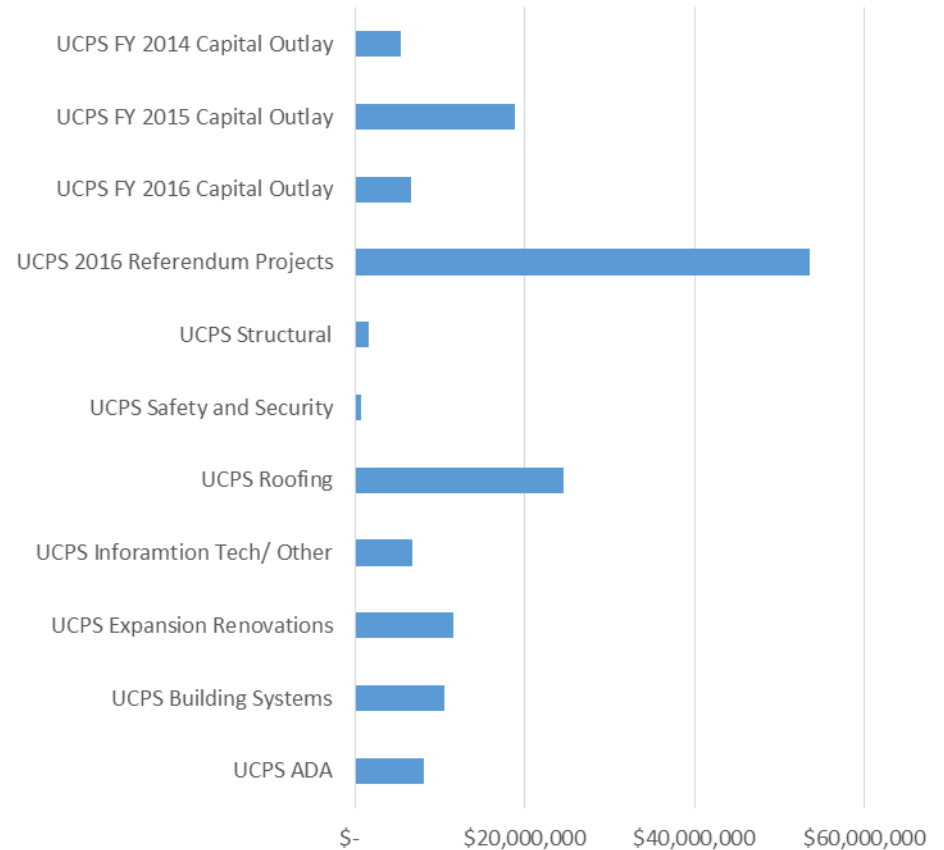
- UCPS ADA
- UCPS Building Systems
- UCPS Expansion and Renovations
- UCPS Information Technology/Other
- UCPS Roofing
- UCPS Safety and Security
- UCPS Structural
- UCPS 2016 Referendum Projects
- UCPS FY 2016 Capital Outlay
- UCPS FY 2015 Capital Outlay
- UCPS FY 2014 Capital Outlay

Union County Public Schools Capital Program— Six year CIP Plan \$148,077,017

REVENUES BY SOURCE



Union County Public Schools Capital Programs



UCPS Capital Program

Source of Funding	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
General Fund Pay Go	-83,033,917	-11,426,075	0	0	0	0	0	-94,459,992
General Obligation Bonds - 2016	-53,617,025	0	0	0	0	0	0	-53,617,025
Total Sources	-136,650,942	-11,426,075	0	0	0	0	0	-148,077,017

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Programs									
83000	UCPS ADA	7,747,413	289,800	0	0	0	0	0	8,037,213
83001	UCPS Building Systems	5,277,708	5,294,000	0	0	0	0	0	10,571,708
83002	UCPS Expansion Renovations	10,494,834	1,067,709	0	0	0	0	0	11,562,543
83003	UCPS Information Tech/Other	4,372,353	2,348,766	0	0	0	0	0	6,721,119
83004	UCPS Roofing	21,708,592	2,000,000	0	0	0	0	0	23,708,592
83005	UCPS Safety and Security	1,044,570	425,800	0	0	0	0	0	1,470,370
83006	UCPS Structural	1,569,287	0	0	0	0	0	0	1,569,287
83007	UCPS 2016 Referendum Project	53,617,025	0	0	0	0	0	0	53,617,025
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	136,650,942	11,426,075	0	0	0	0	0	148,077,017

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
General Fund Pay Go	-7,747,413	-289,800	0	0	0	0	0	-8,037,213
Total Sources	-7,747,413	-289,800	0	0	0	0	0	-8,037,213

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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	CATA -ADA Tiolets	0	30,000	0	0	0	0	0	30,000
82311	East Union-ADA Improvements	0	38,000	0	0	0	0	0	38,000
82312	Forest Hills-ADA Doors/Hardware	0	129,200	0	0	0	0	0	129,200
82313	Marvin Ridge Middle-Curbing	0	20,000	0	0	0	0	0	20,000
82314	Parkwood Middle Bleachers	0	60,000	0	0	0	0	0	60,000
82315	Union-ADA Signage	0	5,000	0	0	0	0	0	5,000
82316	Weddington Middle -ADA Signage	0	7,600	0	0	0	0	0	7,600
Total UCPS ADA		7,747,413	289,800	0	0	0	0	0	8,037,213

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
General Fund Pay Go	-5,277,708	-5,294,000	0	0	0	0	0	-10,571,708
Total Sources	-5,277,708	-5,294,000	0	0	0	0	0	-10,571,708

UCPS Building Systems

83001

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
<i>Program Projects</i>									
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	2,359,000	0	0	0	0	0	0	2,359,000
82308	PORTER RIDGE CHILLER REPLACEME	172,000	0	0	0	0	0	0	172,000
82317	CATA Replace VCT	0	75,000	0	0	0	0	0	75,000
82318	East Elementary-Sound Baffles	0	25,000	0	0	0	0	0	25,000
82319	East Elementary-Flooring	0	45,000	0	0	0	0	0	45,000
82320	Forest Hills Flooring	0	120,000	0	0	0	0	0	120,000
82321	Parkwood Middle Flooring	0	30,000	0	0	0	0	0	30,000
82322	PDC Chiller Replacement	0	325,000	0	0	0	0	0	325,000
82323	Poplin Vanguard Controllers	0	30,000	0	0	0	0	0	30,000
82324	Prospect Elementary-Boiler	0	75,000	0	0	0	0	0	75,000
82325	Shiloh Boiler Room Concrete	0	15,000	0	0	0	0	0	15,000

UCPS Building Systems

83001

82326	Walter Bickett Education Chiller	0	100,000	0	0	0	0	0	100,000
82327	Wolfe School- Wells	0	650,000	0	0	0	0	0	650,000
82328	Indian Trail Ventilation	0	2,360,000	0	0	0	0	0	2,360,000
82329	Indian Trail Chiller Replacement	0	140,000	0	0	0	0	0	140,000
82330	Waxhaw Elementary Chiller Replacements	0	150,000	0	0	0	0	0	150,000
82331	East Union Media Center Roof	0	85,000	0	0	0	0	0	85,000
82332	Fairview Exhaust Fans	0	25,000	0	0	0	0	0	25,000
82333	Fairview HVAC Control Upgrades	0	200,000	0	0	0	0	0	200,000
82334	Sun Valley Elem Control Upgrades	0	60,000	0	0	0	0	0	60,000
82335	Various - Control Conversions	0	288,000	0	0	0	0	0	288,000
82336	Weddington Elementary Bus Lot Doors	0	20,000	0	0	0	0	0	20,000
82337	Weddington Elementary AHU Unit Upgrades	0	396,000	0	0	0	0	0	396,000
82338	Weddington High Bus Lot Doors	0	30,000	0	0	0	0	0	30,000
82339	Weddington Middle Bus Lot Doors	0	20,000	0	0	0	0	0	20,000
82340	Fairview -Wastewater Control Panel	0	30,000	0	0	0	0	0	30,000
Total UCPS Building Systems		5,277,708	5,294,000	0	0	0	0	0	10,571,708

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
General Fund Pay Go	-10,494,834	-1,067,709	0	0	0	0	0	-11,562,543
Total Sources	-10,494,834	-1,067,709	0	0	0	0	0	-11,562,543

UCPS Expansion Renovations

83002

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
<i>Program Projects</i>									
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	6,078,149	0	0	0	0	0	0	6,078,149
82307	FY 2018 MONROE MIDDLE STEM LAB	1,975,000	0	0	0	0	0	0	1,975,000
82341	CATA Repave Bus Drive	0	150,000	0	0	0	0	0	150,000
82342	East Union Gym Lobby	0	15,000	0	0	0	0	0	15,000
82343	East Union Door Replacement	0	20,000	0	0	0	0	0	20,000
82344	East Union Cafeteria Parking	0	35,000	0	0	0	0	0	35,000
82345	East Union Ag Shop Windows	0	140,000	0	0	0	0	0	140,000
82346	Hemby Bridge Flooring	0	126,000	0	0	0	0	0	126,000
82347	New Salem Replace Classroom VCT	0	89,000	0	0	0	0	0	89,000
82348	Parkwood High Mobile CR Fencing	0	11,000	0	0	0	0	0	11,000
82349	Parkwood Middle Locker Replacement	0	75,000	0	0	0	0	0	75,000
82350	Union Gym Lighting	0	7,500	0	0	0	0	0	7,500
82351	Unionville Lighting Upgrades	0	22,209	0	0	0	0	0	22,209
82352	Weddington High Concrete Sidewalk	0	60,000	0	0	0	0	0	60,000
82353	Wesley Chapel Fencing	0	12,000	0	0	0	0	0	12,000
82354	Wesley Chapel Brick Veneer Repair	0	15,000	0	0	0	0	0	15,000
82355	Indian Trail Paving	0	40,000	0	0	0	0	0	40,000
82356	Various - Windows	0	250,000	0	0	0	0	0	250,000
Total UCPS Expansion Renovations		10,494,834	1,067,709	0	0	0	0	0	11,562,543

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
General Fund Pay Go	-4,372,353	-2,348,766	0	0	0	0	0	-6,721,119
Total Sources	-4,372,353	-2,348,766	0	0	0	0	0	-6,721,119

UCPS Information Tech/Other

83003

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
<i>Program Projects</i>									
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
82086	DATA CENTER	533,673	0	0	0	0	0	0	533,673
82087	EAST UNION-JUNIPER UPGRADE	47,748	0	0	0	0	0	0	47,748
82088	HEMBY BRIDGE-JUNIPER UPGRADE	40,661	0	0	0	0	0	0	40,661
82089	INDIAN TRAIL-JUNIPER UPGRADE	36,867	0	0	0	0	0	0	36,867
82090	MARSHVILLE-JUNIPER UPGRADE	39,625	0	0	0	0	0	0	39,625
82091	MONROE MID-JUNIPER UPGRADE	57,238	0	0	0	0	0	0	57,238
82092	PIEDMONT MID-JUNIPER UPGRADE	46,073	0	0	0	0	0	0	46,073
82093	SHILOH-JUNIPER UPGRADE	40,081	0	0	0	0	0	0	40,081
82094	SUN VALLEY MID-JUNIPER UPGRADE	46,100	0	0	0	0	0	0	46,100
82095	VARIOUS-NETWORK CARDS & PWR SP	6,720	0	0	0	0	0	0	6,720
82096	WEDDINGTON HIGH-JUNIPER UPGRD	66,403	0	0	0	0	0	0	66,403
82097	WESLEY CHAPEL-JUNIPER UPGRADE	40,232	0	0	0	0	0	0	40,232
82222	UCPS TECHNOLOGY	377,359	0	0	0	0	0	0	377,359
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
82357	Various -Storage Equipment	0	485,000	0	0	0	0	0	485,000
82358	Various - Student Laptops	0	1,711,560	0	0	0	0	0	1,711,560
82359	Various - Bus Cameras	0	152,206	0	0	0	0	0	152,206
Total UCPS Information Tech/Other		4,372,353	2,348,766	0	0	0	0	0	6,721,119

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
General Fund Pay Go	-21,708,592	-2,000,000	0	0	0	0	0	-23,708,592
Total Sources	-21,708,592	-2,000,000	0	0	0	0	0	-23,708,592

UCPS Roofing

83004

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
<i>Program Projects</i>									
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
82157	NEW SALEM ELEM ROOF REPAIR	159,900	0	0	0	0	0	0	159,900
82158	PIEDMONT MIDDLE ROOF REPAIR	34,500	0	0	0	0	0	0	34,500
82159	PIEDMONT HIGH ROOF REPAIR	144,260	0	0	0	0	0	0	144,260
82160	PARKWOOD HIGH ROOF REPAIR	551,503	0	0	0	0	0	0	551,503
82161	PARKWOOD MIDDLE ROOF REPAIR	1,246,615	0	0	0	0	0	0	1,246,615
82163	SUN VALLEY MIDDLE ROOF REPAIR	926,817	0	0	0	0	0	0	926,817
82164	SOUTH PROVIDENCE ROOF REPAIR	393,500	0	0	0	0	0	0	393,500
82165	TECHNICAL SERVICES ROOF REPAIR	153,870	0	0	0	0	0	0	153,870
82166	UNIONVILLE ELEM ROOF REPAIR	26,236	0	0	0	0	0	0	26,236
82167	WALTER BICKET EDCENTER ROOF	651,657	0	0	0	0	0	0	651,657
82168	WESLEY CHAPEL ELEM ROOF RPR	4,000	0	0	0	0	0	0	4,000
82169	WEDDINGTON MIDDLE/ELEM ROOF	260,300	0	0	0	0	0	0	260,300
82170	WINGATE ELEMENTARY ROOF REPAIR	620,267	0	0	0	0	0	0	620,267
82176	ANTIOCH ROOF REPAIR FY 16	476,809	0	0	0	0	0	0	476,809
82177	CATA ROOF REPAIR FY 16	257,123	0	0	0	0	0	0	257,123
82178	FAIRVIEW ROOF REPAIR FY 16	596,700	0	0	0	0	0	0	596,700
82179	FOREST HILLS ROOF REPAIR FY16	12,200	0	0	0	0	0	0	12,200

UCPS Roofing

83004

82180	KENSINGTON ROOF REPAIR FY16	114,236	0	0	0	0	0	0	114,236
82181	MARVIN ELEM ROOF RPR FY16	642,861	0	0	0	0	0	0	642,861
82182	NEW SALEM ROOF REPAIR FY 16	130,837	0	0	0	0	0	0	130,837
82183	NEW TOWN ROOF REPAIR FY 16	29,935	0	0	0	0	0	0	29,935
82184	PIEDMONT HIGH ROOF REPAIR FY16	270,200	0	0	0	0	0	0	270,200
82185	PORTER RIDG ELEM ROOF RPR FY16	525,834	0	0	0	0	0	0	525,834
82186	PORTER RIDG HIGH ROOF RPR FY16	1,334,509	0	0	0	0	0	0	1,334,509
82187	PROSPECT ROOF REPAIR FY16	682,339	0	0	0	0	0	0	682,339
82188	REA VIEW ROOF REPAIR FY 16	492,225	0	0	0	0	0	0	492,225
82189	ROCK REST ROOF REPAIR FY 16	556,860	0	0	0	0	0	0	556,860
82190	SANDY RIDGE ROOF REPAIR FY16	489,757	0	0	0	0	0	0	489,757
82191	UNIONVILLE ROOF REPAIR FY16	883,459	0	0	0	0	0	0	883,459
82192	WALTER BICKT ED CTR ROOF FY16	464,550	0	0	0	0	0	0	464,550
82193	WALTER BICKETT ELEM ROOF FY 16	493,348	0	0	0	0	0	0	493,348
82194	WEDD HIGH ROOF RPR FY16	645,328	0	0	0	0	0	0	645,328
82195	WESLEY CHAPEL ROOF REPAIR FY16	115,618	0	0	0	0	0	0	115,618
82196	EAST ELEM ROOF RPR FY16	1	0	0	0	0	0	0	1
82197	WINGATE ROOF REPAIR FY 16	236,107	0	0	0	0	0	0	236,107
82198	WOLFE ROOF REPAIR FY 16	334,113	0	0	0	0	0	0	334,113
82304	FY 2018 UCPS ROOFING	822,841	0	0	0	0	0	0	822,841
82360	Various - Roof Maintenance	0	2,000,000	0	0	0	0	0	2,000,000
Total UCPS Roofing		21,708,592	2,000,000	0	0	0	0	0	23,708,592

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources								
General Fund Pay Go	-1,044,570	-425,800	0	0	0	0	0	-1,470,370
Total Sources	-1,044,570	-425,800	0	0	0	0	0	-1,470,370

Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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
82361	Facilities - HID	0	35,000	0	0	0	0	0	35,000
82362	Forest Hills Security System	0	25,000	0	0	0	0	0	25,000
82363	Various - Security Upgrades	0	365,800	0	0	0	0	0	365,800
Total UCPS Safety and Security		1,044,570	425,800	0	0	0	0	0	1,470,370

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-1,569,287	0	0	0	0	0	0	-1,569,287
Total Sources		-1,569,287	0	0	0	0	0	0	-1,569,287
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Obligation Bonds - 2016		-53,617,025	0	0	0	0	0	0	-53,617,025
Total Sources		-53,617,025	0	0	0	0	0	0	-53,617,025
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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
82003	PORTER RIDGE HS BOND PRJ	2,083,048	0	0	0	0	0	0	2,083,048
82004	PORTER RIDGE MS BOND PRJ	2,892,852	0	0	0	0	0	0	2,892,852
82005	SUN VALLEY HS BOND PROJECT	28,570,010	0	0	0	0	0	0	28,570,010
82006	TRANSPORTATION FACILITY	13,680,390	0	0	0	0	0	0	13,680,390
82007	WESTERN UNION ES BOND PRJ	517,759	0	0	0	0	0	0	517,759
Total UCPS 2016 Referendum Project		53,617,025	0	0	0	0	0	0	53,617,025

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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-6,656,522	0	0	0	0	0	0	-6,656,522
Total Sources		-6,656,522	0	0	0	0	0	0	-6,656,522
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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 TRANSPORTATION	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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-18,804,779	0	0	0	0	0	0	-18,804,779
Total Sources		-18,804,779	0	0	0	0	0	0	-18,804,779
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Phase Total
Sources									
General Fund Pay Go		-5,357,859	0	0	0	0	0	0	-5,357,859
Total Sources		-5,357,859	0	0	0	0	0	0	-5,357,859
Project Number	Project	Project To-Date	Adopted FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Project Total
Program 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, 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).

General obligation 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 \$54.32 million of authorized and unissued referendum approved general obligation debt.

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.

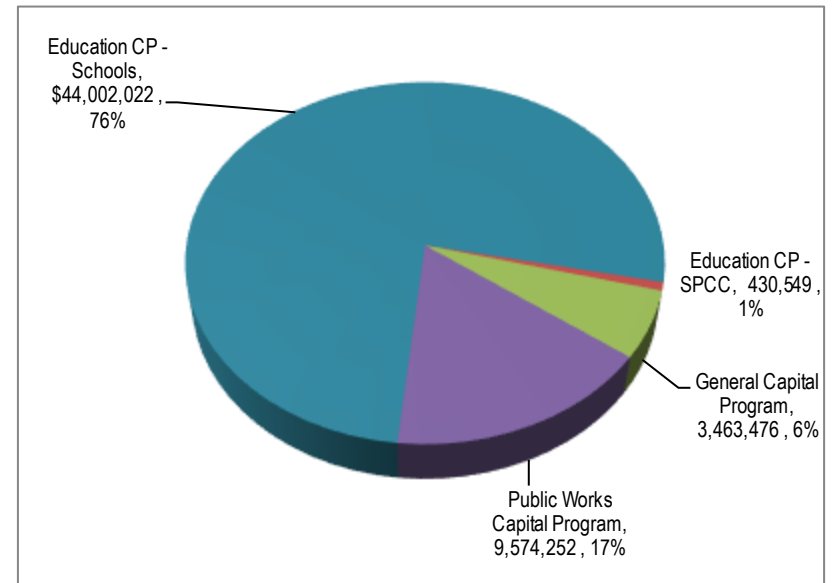
The County currently operates under indentures with U.S. Bank National Association as trustee. The indentures authorize and secure all outstanding revenue bonds of the County's water and wastewater system and contain several financial and operating covenants including rates, additional bonds, reserve 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, 2017. 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, 2017. 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 2019, is estimated to be \$243. This is comprised of \$186 for Union County Public Schools capital program, \$2 for South Piedmont Community College (SPCC) education capital program, \$15 for the general capital program for public works capital program, and \$40 for public works capital program.

Capital Program	Debt Service FY 2019	Debt Service / Capita
Education CP - Schools	\$ 44,002,022	\$ 186
Education CP - SPCC	430,549	2
General Capital Program	3,463,476	15
Public Works Capital Program	9,574,252	40
Total	\$ 57,470,298	\$ 243



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 \$1,615,959,607. This legal debt margin is calculated following the June 1, 2018 debt payment, and includes the November 2016 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	AA+	AAA
Revenue Bonds	Aa1	AA+	AA

County Wide Debt

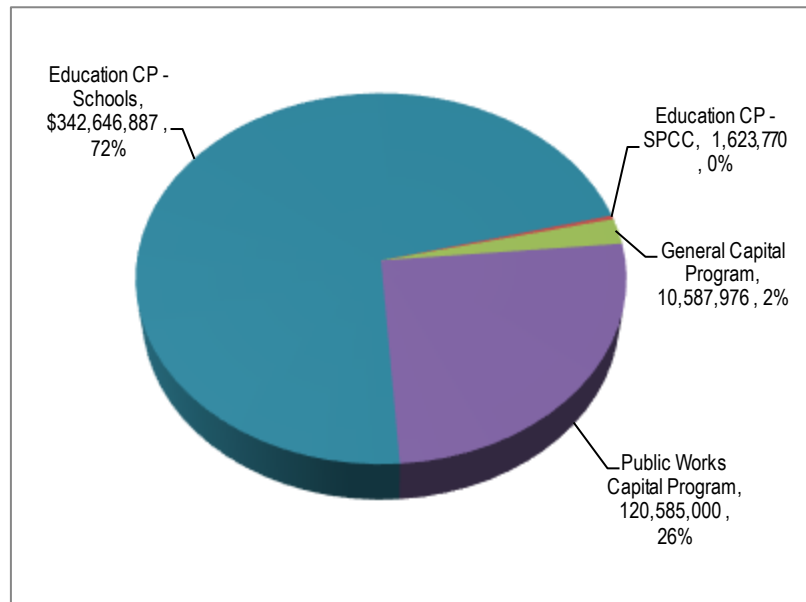
The following table illustrates the current outstanding debt service schedule as of June 30, 2018. The Water and Sewer Fund pays the debt service on the bonds related to utilities. Of the total debt, \$170,754,692, is enterprise debt funded by charges for services by utility rate payers. The Water and Sewer Fund debt service for FY 2019 will be \$9,574,252, reflecting a net increase of \$2,413,676 from prior year debt service costs. This increase is a reflection of the 2017 Revenue Bonds issued in August 2017. The remaining debt of \$429,456,911 is supported by the taxpayers thru the General Fund and the Debt Service Fund. The General Fund debt service for FY 2019 will be \$43,492,924, reflecting a decrease of \$1,442,194 from prior year debt service costs. This decrease is attributable to principal payments made during FY 2018. The Debt Service Budgetary Fund debt service for FY 2019 will be \$4,403,125. FY 2019 will be the first year debt service payments are made out of the Debt Service Fund. This is a reflection of the 2017 GO Bonds issued in November 2017, which were approved by voters in November of 2016.

County Wide Debt Amortization Schedule

Fiscal Year	Principal	Interest	Total
FY2019	40,593,633	16,876,665	57,470,298
FY2020	38,920,000	15,304,931	54,224,931
FY2021	35,195,000	13,657,018	48,852,018
FY2022	35,160,000	12,351,633	47,511,633
FY2023	35,355,000	10,899,983	46,254,983
FY2024	32,405,000	9,513,481	41,918,481
FY2025	32,115,000	8,286,118	40,401,118
FY2026	31,205,000	7,142,076	38,347,076
FY2027	29,460,000	6,072,050	35,532,050
FY2028	29,015,000	4,977,488	33,992,488
FY2029	27,225,000	4,033,294	31,258,294
FY2030	24,170,000	3,220,383	27,390,383
FY2031	15,615,000	2,608,756	18,223,756
FY2032	12,290,000	2,181,149	14,471,149
FY2033	9,385,000	1,851,798	11,236,798
FY2034	8,095,000	1,557,687	9,652,687
FY2035	6,970,000	1,272,875	8,242,875
FY2036	7,135,000	1,030,900	8,165,900
FY2037	7,285,000	805,263	8,090,263
FY2038	7,440,000	574,750	8,014,750
FY2039	5,115,000	364,350	5,479,350
FY2040	5,295,000	185,325	5,480,325
Total	\$ 475,443,633	\$ 124,767,970	\$ 600,211,603

The current outstanding principal debt as of June 30, 2018 will be \$475.4 million as illustrated by the table below. 72 percent is comprised of the education capital program debt, while 26 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 \$1,448 for the schools education capital program, \$7 for the SPCC education capital program, \$45 for the general capital program and \$509 for the public works capital program.

Capital Program	Outstanding at June 30, 2018	Outstanding Debt / Capita
Education CP - Schools	\$ 342,646,887	\$ 1,448
Education CP - SPCC	1,623,770	7
General Capital Program	10,587,976	45
Public Works Capital Program	120,585,000	509
Total	\$ 475,443,633	\$ 2,009



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 general obligation 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.

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 0.97 pennies of the projected FY 2019 ad valorem value.

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 will begin in FY 2019 and would conclude within twenty years of issuance. The projected FY 2019 debt service for the additional \$54.02 million would equate to approximately 1.69 pennies of the projected FY 2019 ad valorem value.

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

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Education Debt Amortization Schedule			
Fiscal Year	Principal	Interest	Total
FY2019	\$ 32,114,314	\$ 11,946,961	\$ 44,061,274
FY2020	33,865,127	12,663,685	46,528,812
FY2021	30,732,027	11,157,365	41,889,392
FY2022	30,506,785	10,011,184	40,517,969
FY2023	30,596,808	8,725,429	39,322,237
FY2024	28,026,205	7,502,324	35,528,529
FY2025	26,823,658	6,456,019	33,279,677
FY2026	26,656,659	5,502,100	32,158,759
FY2027	24,665,681	4,602,170	29,267,851
FY2028	23,979,703	3,674,523	27,654,226
FY2029	22,654,419	2,933,780	25,588,199
FY2030	21,406,500	2,245,974	23,652,474
FY2031	12,646,500	1,731,864	14,378,364
FY2032	9,131,500	1,381,980	10,513,480
FY2033	6,031,500	1,141,167	7,172,667
FY2034	4,531,500	946,950	5,478,450
FY2035	4,531,500	770,375	5,301,875
FY2036	4,531,500	593,800	5,125,300
FY2037	4,531,500	417,225	4,948,725
FY2038	4,531,500	240,650	4,772,150
FY2039	4,531,500	240,650	4,772,150
Total	\$ 387,026,385	\$ 94,886,174	\$ 481,912,559

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 general obligation 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 \$10.1 million of general obligation bonds were approved by referendum for the following program.

General Capital Program Proposed Debt Issuances	
Type and Purpose	Issue Amount
Library Expansion and Development	\$ 10,100,000
Total	\$ 10,100,000

In November 2016, \$10.1 million of General Obligation Bonds were passed by referendum for a Western Union Library Project. The annual debt service of the general obligation 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 .28 pennies of the projected FY 2019 ad valorem value.

Based on the Board of County Commissioner's direction, the General Capital Improvement Program for FY 2019-2024 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 \$39,514,800.

The outstanding principal amount due and the adopted additional \$10.1 million of General Government Debt is shown in the following table.

General Government Debt Amortization Schedule			
Fiscal Year	Principal	Interest	Total
FY2019	\$ 3,620,047	\$ 853,428	\$ 4,473,475
FY2020	2,446,373	741,346	3,187,719
FY2021	1,684,473	652,160	2,336,633
FY2022	1,674,715	581,555	2,256,270
FY2023	1,574,692	513,104	2,087,796
FY2024	970,296	456,716	1,427,011
FY2025	1,647,842	393,403	2,041,245
FY2026	644,841	339,753	984,594
FY2027	635,819	311,315	947,134
FY2028	626,797	283,082	909,879
FY2029	617,081	255,055	872,136
FY2030	505,000	227,250	732,250
FY2031	505,000	202,000	707,000
FY2032	505,000	176,750	681,750
FY2033	505,000	151,500	656,500
FY2034	505,000	126,250	631,250
FY2035	505,000	101,000	606,000
FY2036	505,000	75,750	580,750
FY2037	505,000	50,500	555,500
FY2038	505,000	25,250	530,250
Total	\$ 20,687,976	\$ 6,517,168	\$ 27,205,144

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, \$154.7 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
Total		\$ 154,748,933

An additional \$359.9 million of water and waste water revenue bonds is proposed over five years to fund the water and wastewater system improvement and expansion projects. Planned issuance timing and amount are shown below.

Public Works Capital Program Proposed Debt Issuances		
Type	Timing	Revenue Bond Amount
Revenue Bonds	FY 2019	\$ 111,866,626
Revenue Bonds	FY 2020	189,200,000
Revenue Bonds	FY 2022	32,200,000
Revenue Bonds	FY 2024	26,700,000
Total		\$ 359,966,626

The annual debt service impact of the four proposed additional revenue bond issuances totaling \$359.9 million is projected to begin in FY 2020, FY 2021, 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
FY2019	\$ 4,990,000	\$ 4,584,252	\$ 9,574,252
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	\$ 484,330,000	\$ 336,598,192	\$ 820,928,192

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 benefited 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 decrease was among the 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 2016 audits.

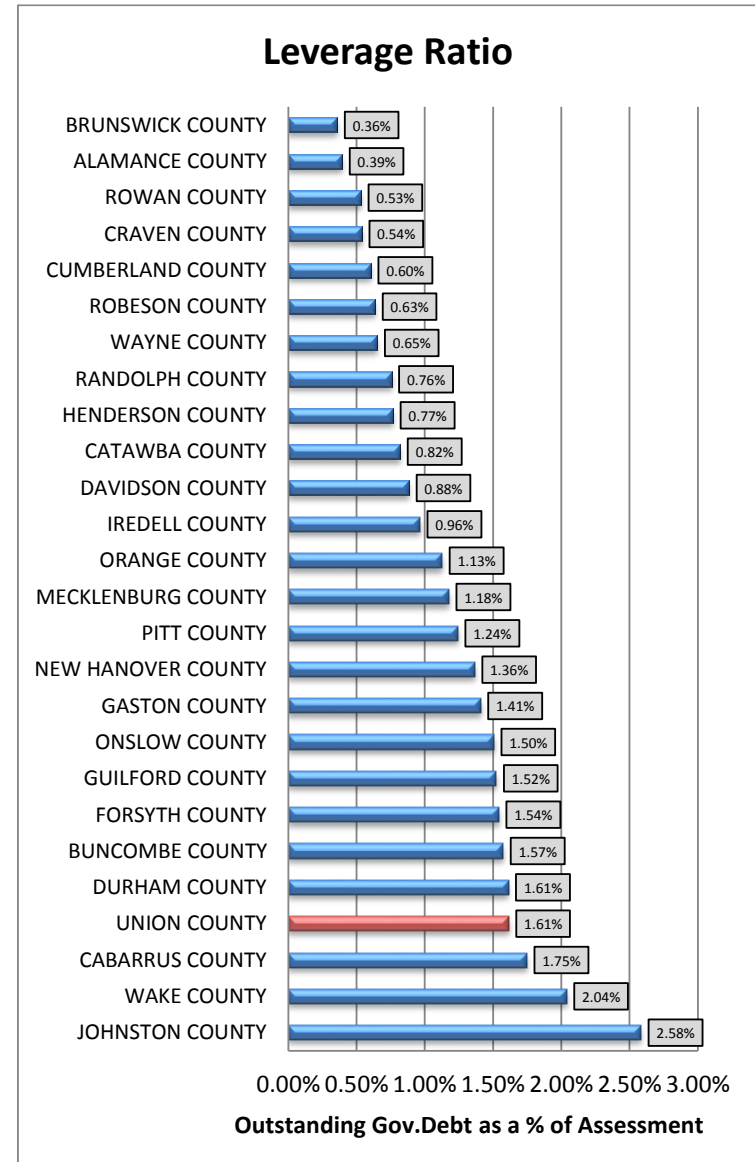
The following ratios are laid out in Section C, Readers Guide and Policies:

- 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.

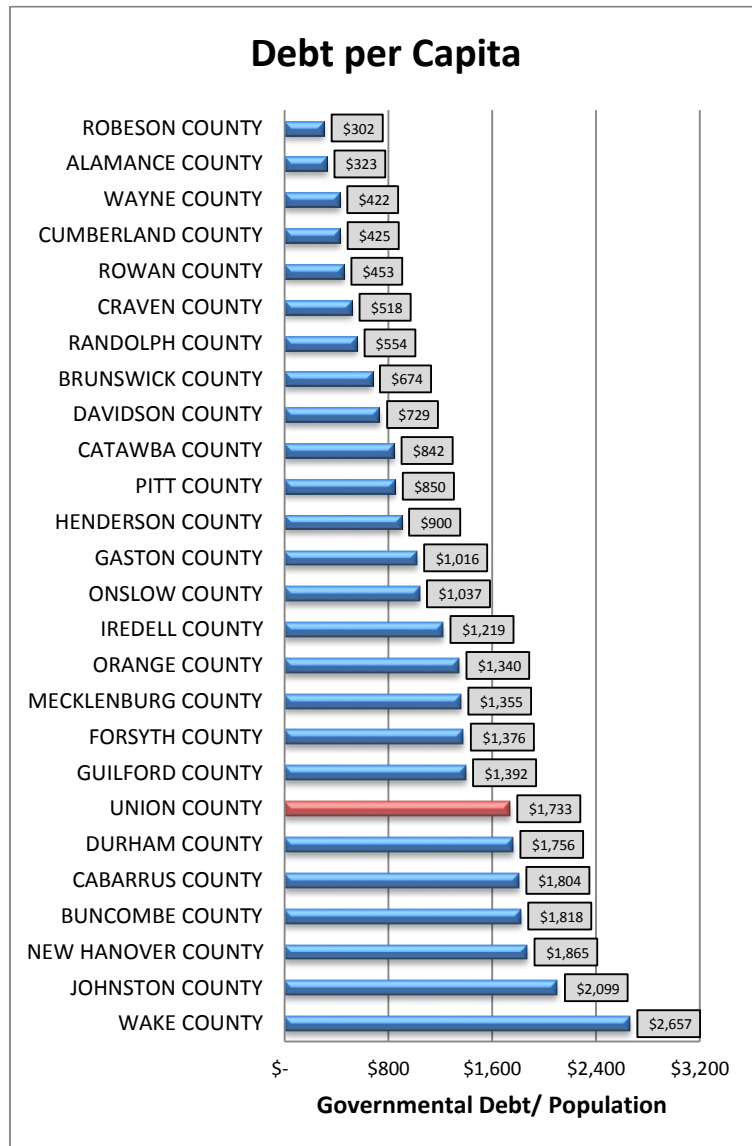
Debt as a Percentage of Assessed Value

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.



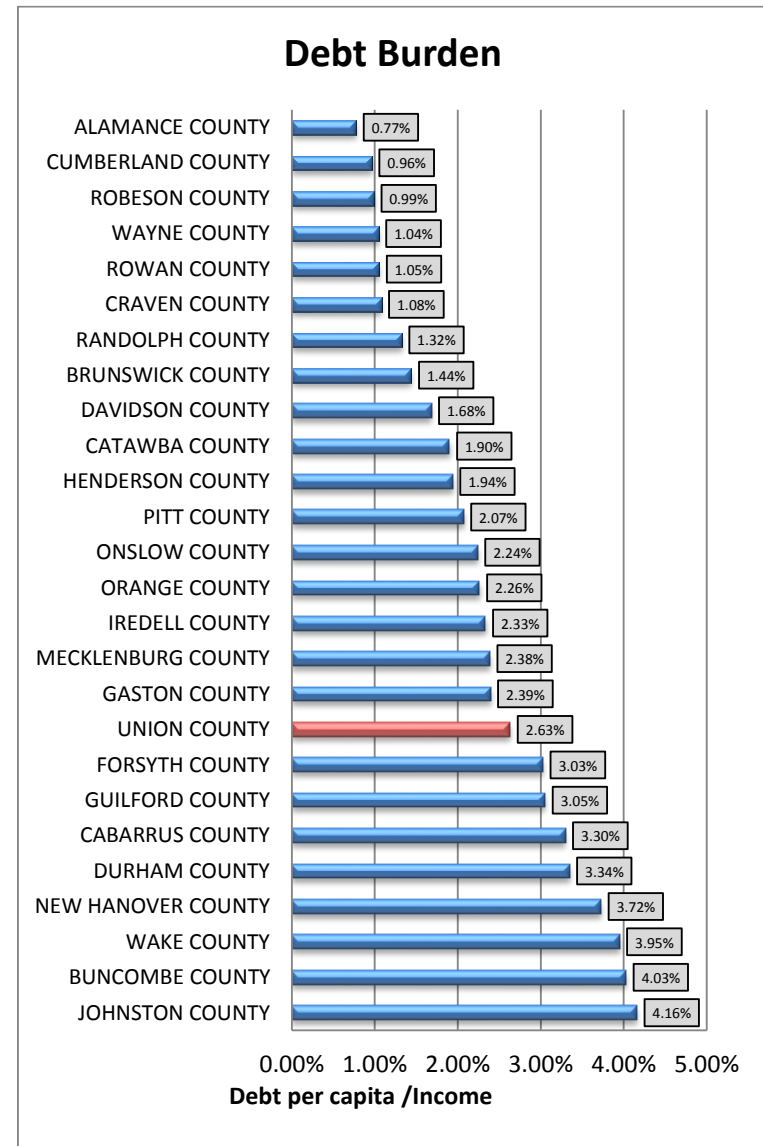
Debt per Capita

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).



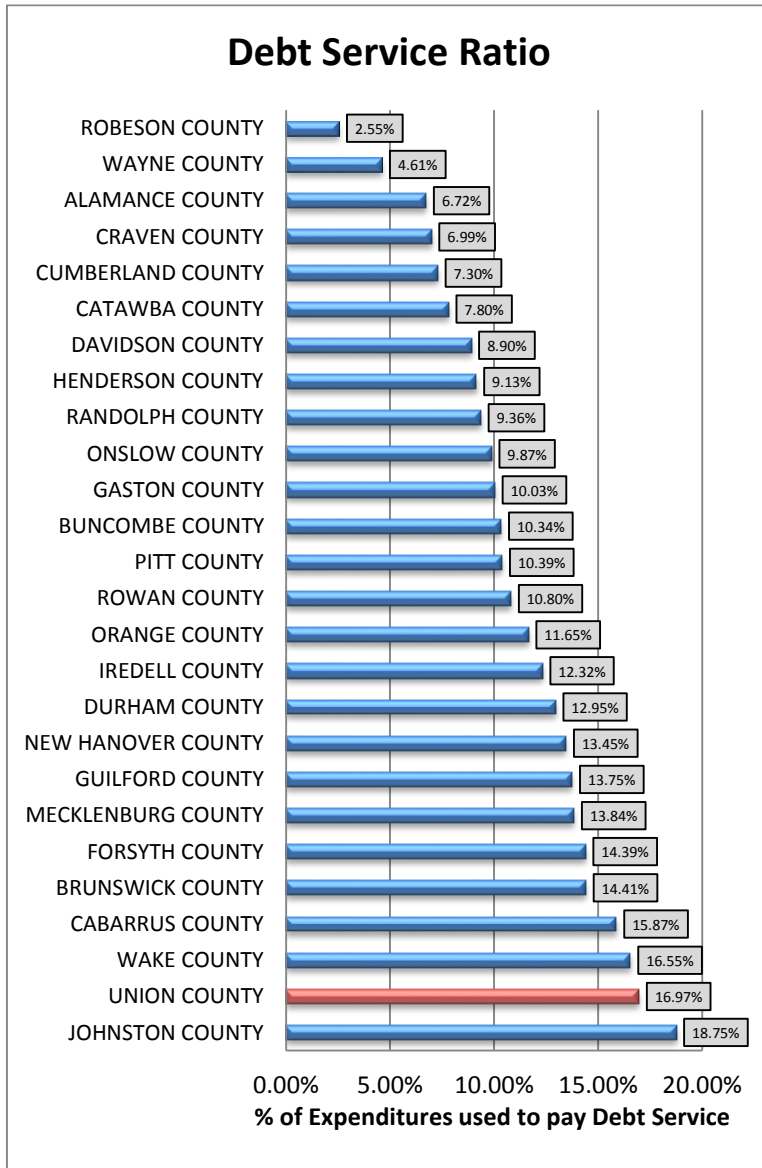
Debt per Capita as a percentage of income

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).



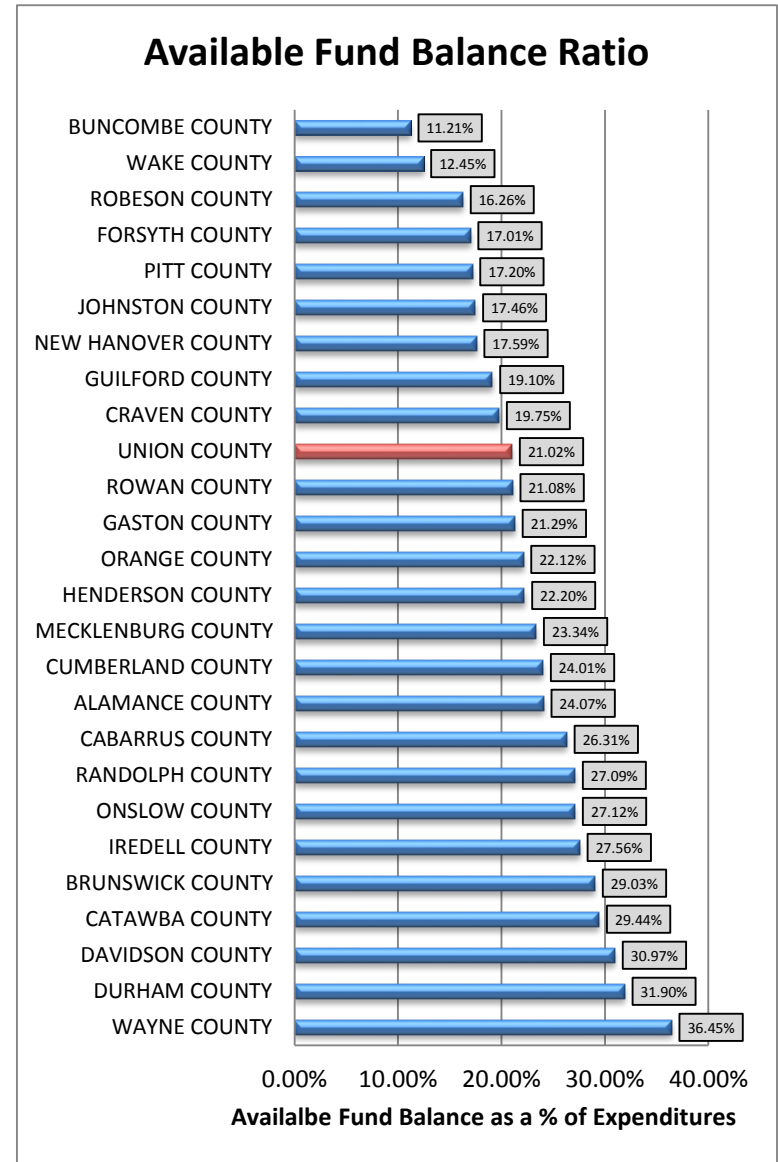
Debt Service Ratio

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.



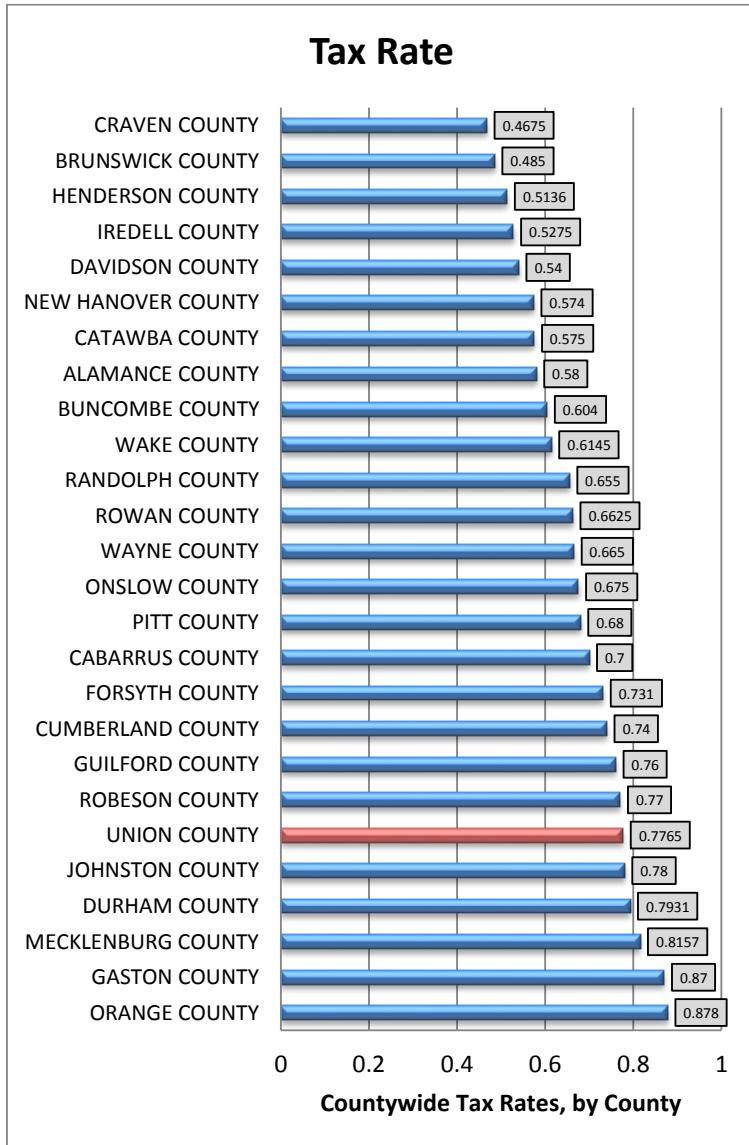
Available Fund Balance Ratio

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. For Union County, it means the County has approximately 77 days of available funds, up from 75 days in FY 2015.



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 2016.



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. This is evident as Governmental funds debt service has dropped from \$52,367,596 in FY 2012 to \$46,103,360 in FY 2016.

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 16.97% in FY 2016 (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 seventh 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 remains the fourth highest in the State, and will likely only decrease as a result of annual debt payments.

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 17th 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 upgrades to the General Obligation Bond ratings by Moody's Investor Services and Fitch Ratings in November 2015 to Aaa and AAA, respectively, the highest municipal credit rating available.

