

Executive Summary - Capital Improvement Plan

The Adopted FY 2015-2020 Union County Capital Improvement Program (UCCIP) is made up of three specific components and totals \$757.6 million during the six-year plan.

UC Capital Improvement Plan Six-Year Program		Total
General Capital Program	\$	202,295,726
Public Works Capital Program		416,180,002
Union County Public Schools		139,031,914
Total Capital Program	\$	757,507,642

- *General Capital Program* - The General Capital Program provides the six-year capital plan for non-enterprise fund, County projects, including South Piedmont Community College.
- *Public Works Capital Program* - The Public Works Capital Program provides the six-year capital plan for the Water and Wastewater Utility Program.
- *Union County Public Schools (UCPS) Program* - Session Law 2014-9 prescribes the level of Capital Outlay funding for UCPS Capital Outlay. The required funding level is based on the projects for FY 2015. Unlike the other programs, the UCPS Program provides for the projects for FY 2015. It is assumed that annually projects will be added to the program.

Program Concepts

The Adopted UCCIP was developed with several core concepts as the foundation:

- *Fiscal Sustainability* - The Board of County Commissioners has clearly stated that fiscal sustainability is one of their core values. As such the program provided is reflective of that value and is centered on the affordability of the projects.

- *Stewardship* - The UCCIP is focused on maintaining the existing assets for the County. The adopted program reflects a significant ongoing investment in the maintenance and renewal of County assets.
- *Changing Service Dynamics* - The programs included in the UCCIP address the changing service needs of the residents during the next six-year period. Whether those needs are for additional drinking water, human services, parks and recreation, education, or libraries, the plan reflects a long-term capital program that addresses those needs.
- *Balance* - The UCCIP provides a balanced approach, not just financially, but in services. The program reflects all service aspects of the County.

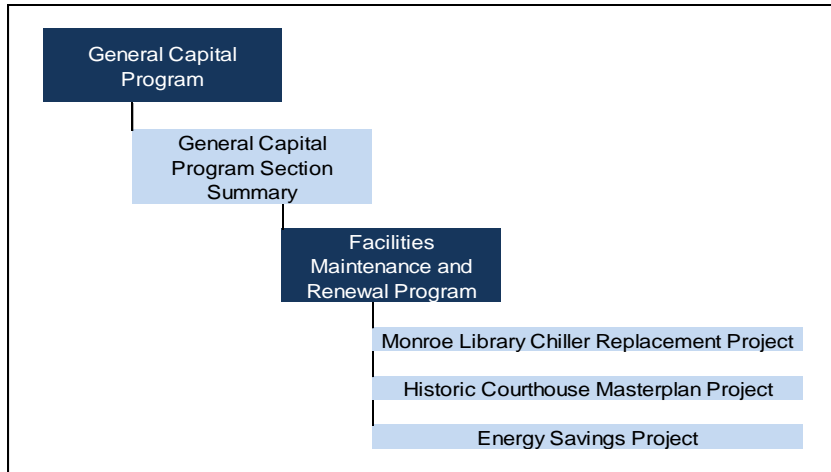
How to Read the Document

The Capital Improvement Plan is organized into sections, each summarized separately.

The first section, the "Executive Summary", includes a high level narrative summary of the remaining document, the "Program Summary" from each of the sections.

The remaining sections specifically outline each of the adopted capital programs. Each program section has a "Section Summary" that represents the total for the six-year capital plan. Included is a narrative discussion of the adopted program and related costs, the "Program Detail", and the program and project detail.





The capital program is made up of individual programs, and in turn each program is made up of individual projects. The program detail pages provide the program scope first, operating budget impacts, and a listing of proposed revenues, expenditures, and a listing of the projects that make up the program.

The programs included in the UCCIP plan effect current and future operating budget appropriation. As part of the capital budgeting process departments are required to estimate the anticipated future operating budget impacts. The operating budget impact is simply an estimate and as the projects progress estimates can be more defined. 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.

The project detail pages follow the program detail and provide project specific scopes, justification and history detail, revenues, and expenditures.

General Capital Program

The GCP consists of sixteen capital programs and thirty-three specific projects. The programs focus on specific service areas within County Government.

The majority of the adopted GCP is comprised of Sheriff’s Office, Facilities, South Piedmont Community College (SPCC), Community Services, 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 the new Human Services Facility with a few smaller maintenance and renewal projects. The Human Services Facility will house the Department of Social Services and Health Department.

The SPCC program consists of two projects for expansion of the current facilities on the Monroe Campus. The expansions include a Multi-Purpose Building and a Center for Technology and Allied Health. SPCC also requested funding for renovations to Building A of \$7,340,000, renovations to Building B of \$2,195,000, and a new classroom building of \$5,520,000. During the budget deliberation process, the BOCC provided an additional \$1.75 million, \$1.6 million for deferred maintenance and \$150,000 for a new welding lab. The funding for the additional projects was General Fund Balance.

The Community Services area includes a major expansion to the Union West Library, and an additional new library in the South West region of the County, as well as future Park Development. The Park Development program includes a Master Plan. The Master Plan is currently being developed. Once the Master Plan is complete, anticipated future Park Development will become more defined.

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

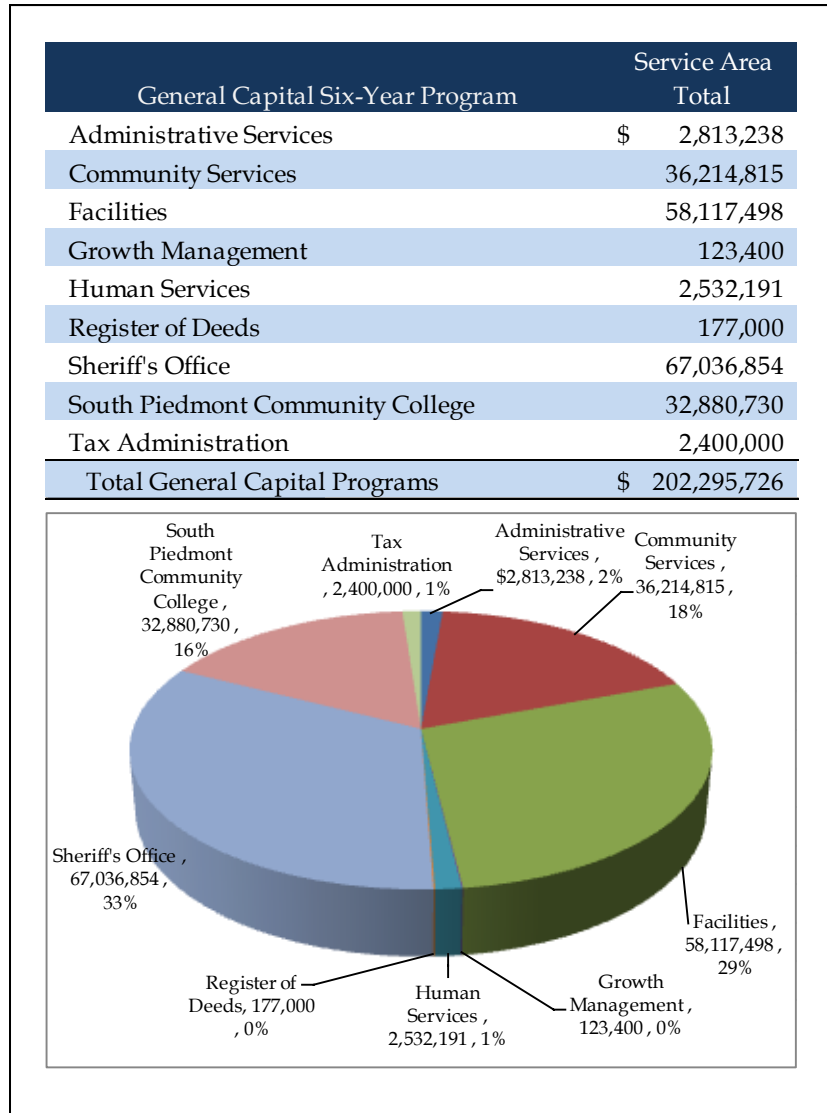
The Board of County Commissioners, during the deliberation process, provided the Register of Deeds additional funding for a redaction project to ensure residents privacy. This project is listed as an IT Infrastructure and Efficiency Enhancement Project.

The Board of Elections will be required by N.C. General Statutes 163.165 to replace voting equipment. New voting equipment must be in operations by Jan 1, 2018. The new law mandates that all voting equipment must produce a paper record of votes cast and provide a backup means of counting the vote that a voter casts. This will ban touch-screen voting machines currently used by the County. The Board of Elections has not made a recommendation to the County at this time for replacement cost. During the FY 2016-2021 Capital Planning process the Board of Elections will



provide to the County a recommended replacement cost and funding will be determined at that time

The following graph represents the total amount of the GCP at the Service Area level within the Service Areas are fifteen capital programs. The following chart shows the various programs located within each service area.



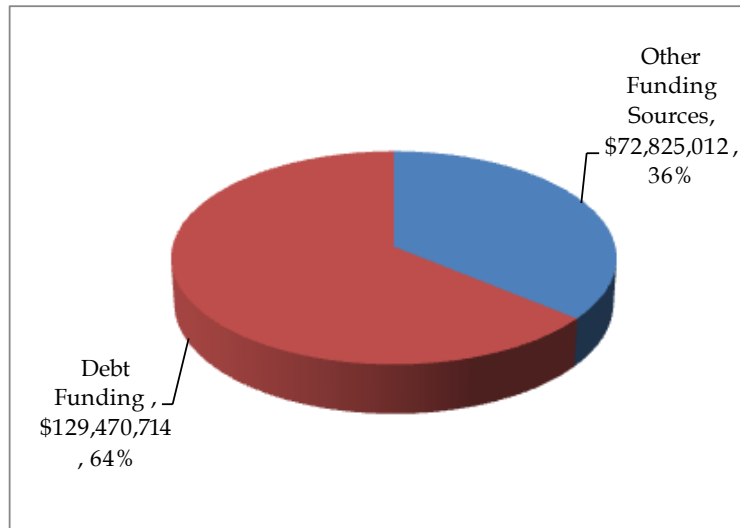
General Capital Six-Year Program	Program Total
Administrative Services	
IT Infrastructure and Efficiency Enhancements	\$ 2,813,238
Total Administrative Services	2,813,238
Community Services	
4H Pavilion and Ancillary Facilities	80,000
Facilities Maintenance and Renewal	750,000
Jesse Helms Park Development	8,072,915
Library Expansion and Development	19,911,900
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Facilities Maintenance and Renewal	15,967,498
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Firearms Training and Qualification Range	8,555,665
Expansion	57,481,189
Renovations	1,000,000
Total Sheriff's Office	67,036,854
South Piedmont Community College	
South Piedmont Community College	32,880,730
Total SPCC	32,880,730
Tax Administration	
Tax Assessor Software Replacement	2,400,000
Total Tax Administration	2,400,000
Total General Capital Programs	\$ 202,295,726



General Capital Funding Strategy

Funding of the adopted GCP is provided through a number of sources, including capital reserves, new debt, general fund pay-as-you-go (PayGo), grants, and contributions from other funds.

Fiscal Year	Other Funding Sources	Debt Funding	Total
Funded-to-Date	\$ 62,588,684	\$ 467,500	\$ 63,056,184
FY 2015 Adopted	4,820,768	7,000,000	11,820,768
FY 2016 Planned	2,295,560	-	2,295,560
FY 2017 Planned	1,570,000	28,926,993	30,496,993
FY 2018 Planned	1,050,000	93,076,221	94,126,221
FY 2019 Planned	250,000	-	250,000
FY 2020 Planned	250,000	-	250,000
Total	\$ 72,825,012	\$ 129,470,714	\$ 202,295,726



The largest source of funding planned is the use of General Obligation Bonds (GO Bonds). General obligation bonds are voted on by the residents via a referendum, with the exception of 2/3rds Bonds.

The following chart lists which programs are recommended for funding through General Obligation Bonds.

New General Obligation Bonds	Program Total
Human Service Campus	\$ 7,000,000
Jail and Sheriff's Office Replacement and Expansion Program	55,558,444
Jesse Helms Park Development	6,553,473
Library Expansion and Development	19,860,567
Park Development and Renewal	6,500,000
South Piedmont Community College	31,130,730
Total GO Bond Funding	\$ 126,603,214

Based on the Union County Capital Improvement Program Management Policy and the County's Debt Policy, it is assumed that when voters approve the referendum debt, it also reflects affirmation of the related tax rate necessary to support the annual debt service.

To provide perspective, the value of each penny in ad valorem tax for FY 2015 is anticipated to generate \$2,381,900. The new GO Bonds would require an increase of approximately 5.23 cents by FY 2019. It is important to note that these estimates will change based on revaluation that will occur in FY 2015.

Given the planned projects, and assuming a successful referendum, the total new general obligation debt for general capital projects would increase by about \$119.6 million by referendum. An additional \$7 million, issued by general obligation bonds, is anticipated to be reimbursed through state and federal grants. Assuming market conditions and other factors, the County's debt service for general capital projects would increase a total of \$16.2 million for both general government purpose debt and educational purpose debt, by FY 2019.

The following chart represents the debt for general government purposes, showing current debt service payments, and future anticipated debt service payments from the issuance of proposed general obligation debt.



General Government Program Debt			
Fiscal Year	Principal	Interest	Total
Current Debt Service	\$ 2,328,018	\$ 707,973	\$ 3,035,991
FY 2015 Adopted	2,394,621	633,312	3,027,933
FY 2016 Planned	2,401,106	563,678	2,964,784
FY 2017 Planned	2,767,991	856,153	3,624,144
FY 2018 Planned	7,365,580	5,353,597	12,719,177
FY 2019 Planned	8,065,047	5,023,385	13,088,432
FY 2020 Planned	6,891,373	4,689,647	11,581,020
Total	\$32,213,736	\$17,827,744	\$50,041,481

The SPCC program requires a successful voter referendum as well. The proposed SPCC education projects would increase general obligation debt by \$31.1 million. The additional funding for these SPCC projects would increase the County's annual debt service by \$3.1 million by the end of FY 2019, assuming market conditions and other factors.

The following chart represents the future anticipated debt service payments beginning in FY 2018, inclusive of proposed general obligation bonds for SPCC. SPCC is included as part of the Education Debt for the County as shown in the Debt Management section.

SPCC Program Debt			
Fiscal Year	Principal	Interest	Total
FY 2018 Planned	\$ 435,000	\$ 434,500	\$ 869,500
FY 2019 Planned	1,587,000	1,564,250	3,151,250
FY 2020 Planned	1,587,000	1,484,900	3,071,900
Total	\$ 3,609,000	\$ 3,483,650	\$ 7,092,650

The adopted GCP includes an additional \$2.4 million of installment financing. This financing will be used to replace the Tax Assessment and Administration Software. The length of the financing will be matched to the estimated useful life of the system. The current amount is an estimate and will be refined as the system specifications and better pricing information becomes available.

In addition to the GO Bonds and Installment Financing, the adopted GCP includes the use of \$53.4 million of PayGo funding. The majority of the PayGo funding comes through the one-time hospital lease revenue. Based on Commission direction, \$35 million of the revenue is appropriated as cash funding for the Human Services Facility project.

In addition to the Human Services Facility, the Firearms Training and Qualifications Range was previously funded through \$4.5 million of PayGo. An additional proposal of \$4 million PayGo has been requested and will bring the total PayGo funding to \$8.5 million.

The remaining \$9.8 million of PayGo funding is recommended for smaller facility and technology enhancement projects during the six year period.

The use of Utility Fund Balance was previously appropriated as part of the proportional contribution for the "Countywide Phone System Upgrade to VoIP" project that remains open.

Public Works Capital Program

The adopted six-year Public Works Capital Program (PWCP) is largely based on the Comprehensive Water & Wastewater Master Plan completed and approved by the Board of County Commissioners in December of 2011.

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 adopted 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.

Program Highlights

The adopted PWCP consists of twenty programs, made up of sixty-one different projects. 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



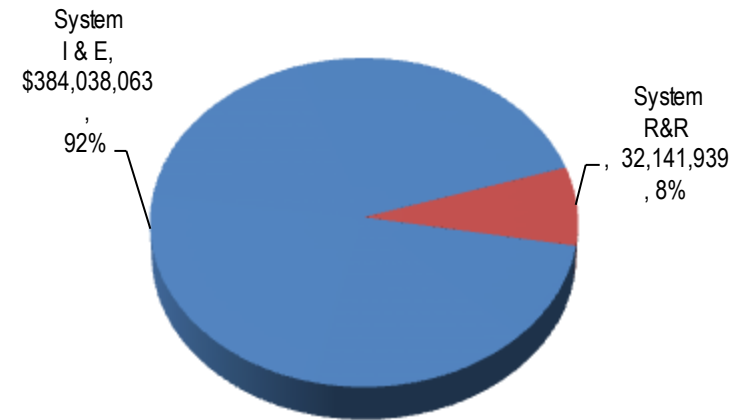
system modeling. By 2020, the water total flow demand is anticipated to grow to 29.7 million gallons daily and wastewater to 14.9 million gallons daily. The adopted \$384,038,063 System I&E Program is necessary to meet these needs and anticipated future demands.

Rehabilitation and renewal programs are the ongoing infrastructure maintenance projects that ensure the sustainability of the existing infrastructure. The \$32,141,939 System R&R program is necessary to provide for the system needs and reflects an average annual investment of \$3.8 million during the six-year plan.

The following graph represents the total amount of PWCP broken down between System I&E and System R&R programs.

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Fiscal Year	System I & E	System R&R	Total
Funded-To-Date	\$ 81,333,613	9,105,639	90,439,252
FY 2014 Adopted	24,934,850	5,409,300	30,344,150
FY 2015 Adopted	31,914,200	3,052,000	34,966,200
FY 2016 Planned	26,711,700	3,584,000	30,295,700
FY 2017 Planned	54,942,700	3,451,000	58,393,700
FY 2018 Planned	120,691,000	3,305,000	123,996,000
FY 2019 Planned	43,510,000	4,235,000	47,745,000
Total	\$ 384,038,063	32,141,939	416,180,002



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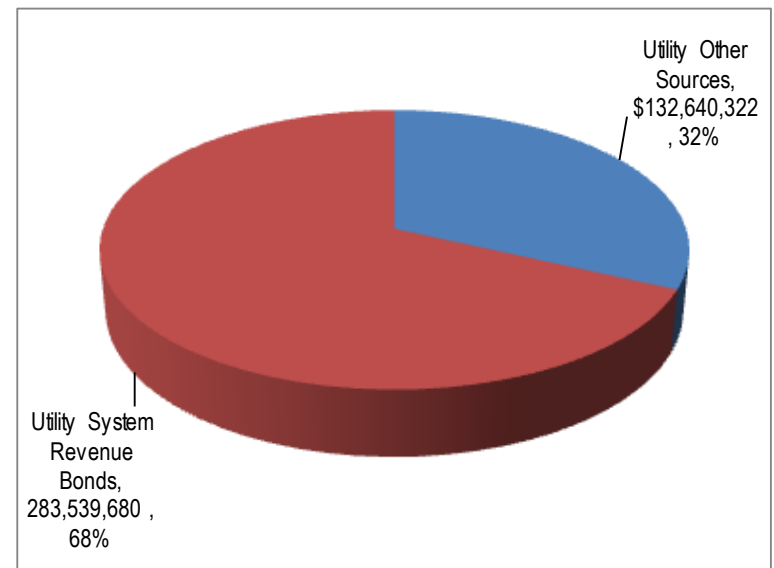


The following chart shows the breakdown of the programs included in the System Improvements and Expansion as well as the System Rehabilitation and Renewal.

PWCP Six-Year Program	Program Total
<i>System Improvements and Expansion Programs</i>	
853 South Zone Improvements	\$ 412,000
853 West Zone Improvements	27,128,000
935 Zone Improvements	418,000
Additional Anson Capacity	4,164,700
Crooked Creek Basin Improvements	24,283,400
CRWTP Improvements	35,760,820
Developer Funded Projects	38,412,000
Eastside Wastewater Improvements	16,047,957
New 880 Pressure Zone	10,900,245
New Lake Twitty Sewer Shed	361,000
Short Line Extensions	4,967,000
Town Center Sewer Development	2,007,440
Twelve Mile Creek WWTP System Improvements	65,518,615
UCPW Buildings and Improvements	10,915,376
Yadkin Water Supply	142,741,510
Total System I & E Programs	\$ 384,038,063
<i>System Rehabilitation and Renewal Programs</i>	
Wastewater Pump Station Improvements	\$ 4,758,000
Wastewater Rehabilitation and Replacement	11,948,960
Water & Wastewater Master Plan	681,000
Water Rehabilitation and Replacement	13,451,979
Water Tank Rehabilitation	1,302,000
Total System R & R Programs	\$ 32,141,939
Total PWCP Six Year Program	\$ 416,180,002

Funding Strategy

Fiscal Year	Utility Other Sources	Utility System Revenue Bonds	Total
Funded-To-Date	\$ 44,390,022	46,049,230	90,439,252
FY 2015 Adopted	25,278,300	5,065,850	30,344,150
FY 2016 Planned	3,788,000	31,178,200	34,966,200
FY 2017 Planned	6,409,000	23,886,700	30,295,700
FY 2018 Planned	4,417,000	53,976,700	58,393,700
FY 2019 Planned	3,896,000	120,100,000	123,996,000
FY 2020 Planned	44,462,000	3,283,000	47,745,000
Total	\$ 132,640,322	283,539,680	416,180,002



The adopted PWCP is funded through several different sources. The primary source of funding (68 percent) will come through the issuance of Utility System Revenue Bonds. The adopted PWCP finance plan includes the issuance of 2015 Revenue Bonds at \$61.2 million, 2017 Revenue Bonds at \$86.5 million, and 2019 Revenue Bonds at \$135.8 million, totaling \$283,539,680 of planned total new debt for the system.



The anticipated new debt will be reflected in the future rate modeling. Based on current projections and estimated debt issuance, the increased debt service by the end of the program will grow to a maximum of \$24.5 million annually.

Public Works Debt Amortization Schedule			
Fiscal Year	Principal	Interest	Total
Current Debt Svc.	\$ 3,901,932	2,209,442	6,111,374
FY 2015 Adopted	3,940,126	2,068,097	6,008,223
FY 2016 Planned	3,968,810	4,986,391	8,955,201
FY 2017 Planned	6,043,231	4,842,888	10,886,119
FY 2018 Planned	6,009,761	8,934,780	14,944,541
FY 2019 Planned	9,057,842	8,700,142	17,757,984
FY 2020 Planned	9,439,984	15,092,188	24,532,172
Total	\$ 42,361,685	46,833,928	89,195,613

Revenue bond debt is proposed 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.

In addition to the anticipated new debt, the adopted PWCP includes estimated funding from grants, developer funding, and pay-as-you-go (PayGo) funding from current revenues.

Other Funding Sources	Program Total
Developer Funding	\$ 40,276,654
Grant Funding	1,961,300
Utility PayGo	90,402,368
Total Funding	\$ 132,640,322

The PayGo funding, which comprises 68 percent of the other sources, comes through connection fees from new customers, user fees charged to customers, and capital fund balance.

Pay Go Funding from Water and Sewer Operations	
Fiscal Year	PayGo
Funded-To-Date	\$ 40,564,068
FY 2015 Adopted	25,278,300
FY 2016 Planned	3,788,000
FY 2017 Planned	6,409,000
FY 2018 Planned	4,417,000
FY 2019 Planned	3,896,000
FY 2020 Planned	6,050,000
Total	\$ 90,402,368

The PayGo funding is primarily programmed for the ongoing system rehabilitation and renewal projects. The principled approach, much like debt, is to match the current users of the infrastructure to the current capital needs. Those using the system today, pay for the proactive maintenance to prolong system life.

The anticipated developer funding projects are a result of the newly adopted Union County Line Extension Policy. This funding has a direct relationship to the Developer funded projects, such that the expenditures in the projects are largely driven by the revenues. This project will be amended as needed to reflect actual developer contributions to the program.

The funding of the Water and Wastewater Capital Program will be modified in the future to reflect the capacity of the fund and future rate plans. This funding plan will provide the basis for the revised long-term utility rate plan. During discussions of the rate plan, the scheduling and timing of the new debt, as well as the projects, will be reviewed to ensure the long-term sustainability of the utility while considering affordability and payer mix.



UCPS Capital Program

As mentioned previously, Session Law 2014-9 prescribes the level of Capital Outlay funding for UCPS for both FY 2015 and FY 2016. While UCPS originally requested \$97,716,321 for Capital Outlay, the required FY 2015 funding level was \$19,531,582. The Capital Outlay funding is 8.89 percent or \$1,595,128 more than revised FY 2014.

The FY 2015 Ad Valorem or property tax value of \$19,531,582 is equal to 8.2 cents. This funding level was originally recommended based on the level of general fund debt service added during the past ten years for which the tax rates were not increased. Essentially, this onetime increase resets the tax rate to the necessary funding needed to provide for historical debt service.

The FY 2016 required capital funding is \$19,786,024 and is reflective of anticipated growth in Ad Valorem revenues. As such, the adopted portion of the Schools' Tax rate allocated to Capital Outlay is not anticipated to change in FY 2016.

Although the Session Law has eliminated the BOCC's ability to ensure specific projects are done with the Capital Outlay funding provided, the Board of County Commissioners expressed their expectation and desire that the local Capital Outlay Funding be used as follows:

- \$821,950 for Student Safety and Security Projects
- \$9,736,880 for Roofing, Structure, and HVAC
- \$584,961 for Structural ADA Improvements
- \$7,504,488 for Other Facilities Projects
- \$84,444 for Buses
- \$377,359 for Technology
- \$421,500 for Improvements to Athletic Fields

In addition to the prescribed funding for capital outlay, the Session Law dictates that "on or before August 1, 2014, the Union County Board of Commissioners and the Union County Schools shall jointly establish a working group to develop a multiyear plan to address existing and ongoing capital needs of the Union County Schools. The working group shall consist of up to 14 people, half appointed by each board. The working group shall complete its work and report to the Union County Board of Commissioners and the Union County Schools on or before June 30, 2015."

It is anticipated that this working group will provide a recommendation to the Board of County Commissioners for long-term capital planning as well as affordable funding strategies to achieve those plans.

In addition to the working group, the Board of County Commissioners is working the Board of Education to provide regular ongoing reporting of the status of UCPS's various capital projects. The goal of this reporting process is to continue to improve the working relationship between the two organizations as well as improve the transparency for the public.

Operating Budget Impact

The table on the following page represents the operating budget impact for each program with in the UCCIP six year plan.

Each operating budget impact is discussed in detail within each Program Detail report.

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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

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Commissioners included additional funding, \$1,600,000 for deferred maintenance and \$150,000 for a welding lab.

The Community Services area includes a major expansion to the Union West Library, and an additional new library in the South West region of the County, as well as future Park Development. The Park Development program includes a Master Plan. The Master Plan is currently being developed in FY 2014. Once the Master Plan is complete, the anticipated future Park Development will become more defined.

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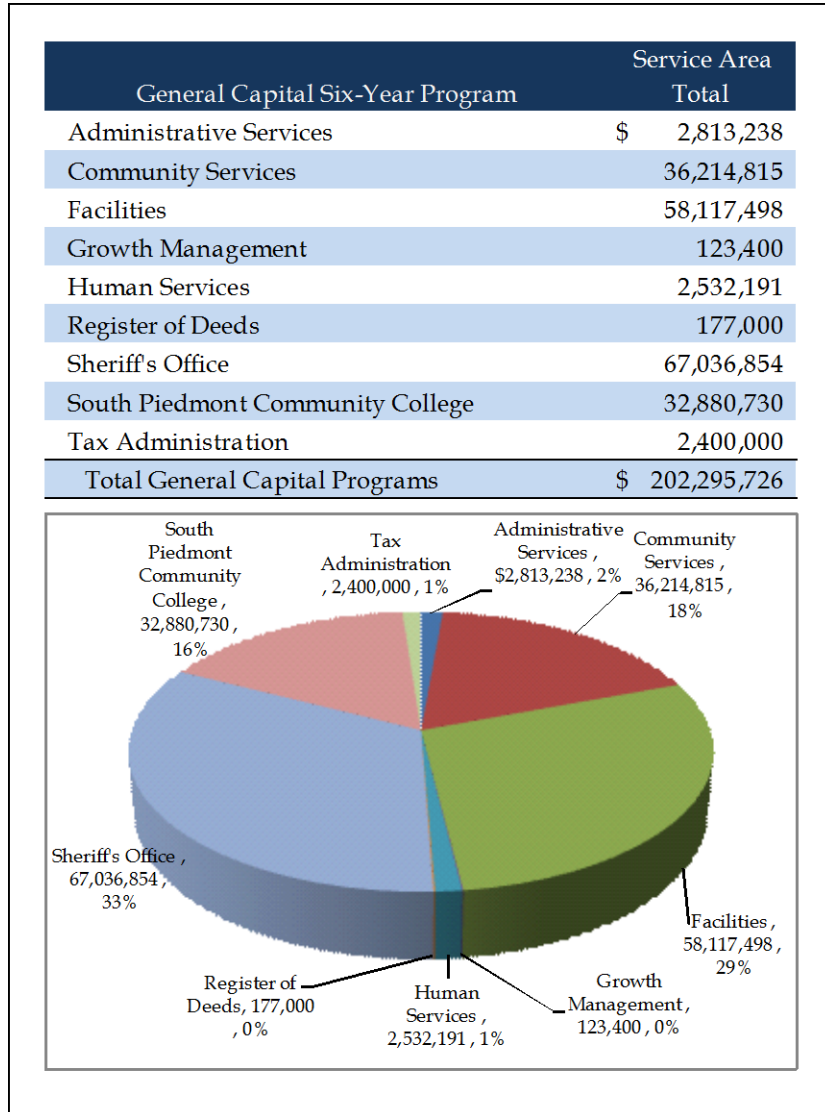
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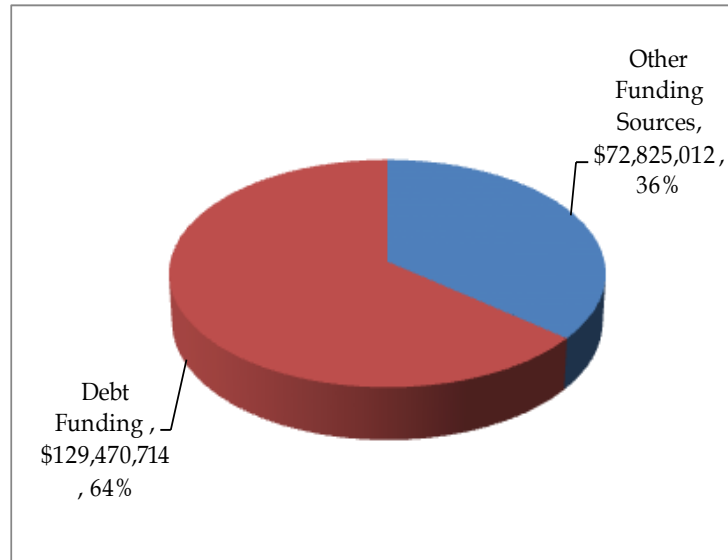
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Total General Capital Programs	\$ 202,295,726



Funding Strategy

Funding of the adopted GCP is provided through a number of sources, including capital reserve funds, new debt, general fund pay-as-you-go (PayGo), grants, and contributions from other funds. The graph below represents the amount of funding that is anticipated through issuance of debt and other funding sources.

Fiscal Year	Other Funding Sources	Debt Funding	Total
Funded-to-Date	\$ 62,588,684	\$ 467,500	\$ 63,056,184
FY 2015 Adopted	4,820,768	7,000,000	11,820,768
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Based on the Union County Capital Improvement Program Management Policy and the County's Debt Policy, it is assumed that when voters approve the referendum debt, it also reflects affirmation of the related tax rate necessary to support the annual debt service.

To provide perspective, the value of each penny in ad valorem tax for FY 2015 is anticipated to generate \$2,381,900. The new GO Bonds would require an increase of approximately 5.47 cents by FY 2019. It is important to note that these estimates will change based on revaluation that will occur in FY 2015.

Given the planned projects, and assuming a successful referendum, the total new general obligation debt for general capital projects would increase by about \$119.6 million by referendum. An additional \$7 million, issued by general obligation bonds, is anticipated to be reimbursed through state and federal grants. Assuming market conditions and other factors, the County's debt service for general capital projects would increase a total of \$16.1 million for both general government purpose debt and educational purpose debt, by the end of FY 2019.



The following chart represents the debt for general government purposes, showing current debt service payments, and future anticipated debt service payments with the issuance of new general obligation debt added in.

General Government Program Debt			
Fiscal Year	Principal	Interest	Total
Current Debt Service	\$ 2,328,018	\$ 707,973	\$ 3,035,991
FY 2015 Adopted	2,394,621	633,312	3,027,933
FY 2016 Planned	2,401,106	563,678	2,964,784
FY 2017 Planned	2,767,991	856,153	3,624,144
FY 2018 Planned	7,365,580	5,353,597	12,719,177
FY 2019 Planned	8,065,047	5,023,385	13,088,432
FY 2020 Planned	6,891,373	4,689,647	11,581,020
Total	\$ 32,213,736	\$ 17,827,744	\$ 50,041,481

The SPCC program requires a successful voter referendum as well. The proposed SPCC education projects would increase general obligation debt by \$31.1 million. The additional funding for these SPCC projects would increase the County's debt service by \$3.1 million by the end of FY 2019, assuming market conditions and other factors.

The following chart represents the future anticipated debt service payments beginning in FY 2018, inclusive of proposed general obligation bonds for SPCC. SPCC is included as part of the Education Debt for the County as shown in the Debt Management section.

SPCC Program Debt			
Fiscal Year	Principal	Interest	Total
FY 2018 Planned	\$ 435,000	\$ 434,500	\$ 869,500
FY 2019 Planned	1,587,000	1,564,250	3,151,250
FY 2020 Planned	1,587,000	1,484,900	3,071,900
Total	\$ 3,609,000	\$ 3,483,650	\$ 7,092,650

The adopted GCP includes an additional \$2.4 million of installment financing. This financing will be used to replace the Tax Assessment and

Administration Software. The length of the financing will be matched to the estimated useful life of the system. The current amount is an estimate and will be refined as the system specifications and better pricing information becomes available.

In addition to the GO Bonds and Installment Financing, the adopted GCP includes the use of \$53.4 million of PayGo funding. The majority of the PayGo funding comes through the one-time hospital lease revenue, based on Commission direction, \$35 million of the revenue which was previously appropriated as cash funding for the Human Services Campus project.

In addition to the Human Services Facility, the Firearms Training and Qualifications Range was previously funded through \$4.5 million of PayGo. An additional proposal of \$4 million PayGo has been requested and will bring the total PayGo funding to \$8.5 million.

The remaining \$9.8 million of PayGo funding is recommended for smaller facility and technology enhancement projects.

The use of Utility Fund Balance was previously appropriated as part of the proportional contribution for the "Countywide Phone System Upgrade to VoIP" project that remains open.

Operating Budget Impact

Given the new and expansion 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 will generate both real dollar savings as well as efficiencies within the organization.

The debt impact, based on the GO Bonds was discussed in more detail within the funding strategy of GCP and the portion of the Debt Management section that discusses the County's total debt in detail.

Each Program Detail Report has a complete discussion of the operating budget impact. The following chart shows the summary of the anticipated operating budget impact by service area that is determined at this time.



General Capital Program Operating Budget Impact FY 2015-2020

Service Areas	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Administrative Services							
IT Infrastructure and Efficiency Enhancemer	\$ 115,400	\$ 115,400	\$ 115,400	\$ 115,400	\$ 115,400	\$ 115,400	\$ 692,400
Total Administrative Services	115,400	115,400	115,400	115,400	115,400	115,400	692,400
Community Services							
4H Pavilion and Ancillary Facilities	-	-	-	-	-	-	-
Facilities Maintenance and Renewal	-	-	-	-	-	-	-
Jesse Helms Park Development	-	-	-	862,339	862,339	862,339	2,587,017
Library Expansion and Development	-	-	-	2,998,408	2,998,408	2,998,408	8,995,224
Park Development and Renewal	-	-	-	759,790	759,790	759,790	2,279,370
Total Community Services	-	-	-	4,620,537	4,620,537	4,620,537	13,861,611
Facilities							
Facilities Maintenance and Renewal	-	-	-	-	-	-	-
Human Services Campus	-	-	726,000	256,333	256,333	256,333	1,494,999
Total Facilities	-	-	726,000	256,333	256,333	256,333	1,494,999
Growth Management							
Growth Management	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Total Growth Management	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Human Services							
Automation and Record Management	228,496	228,496	228,496	228,496	228,496	228,496	1,370,976
Total Human Services	228,496	228,496	228,496	228,496	228,496	228,496	1,370,976
Sheriff's Office							
Firearms Training and Qualification Range	-	-	-	-	-	-	-
Jail and Sheriff's Office Replacement and Expansion	-	-	-	5,604,000	5,604,000	5,604,000	16,812,000
Law Enforcement Facilities Expansion and Renovations	-	-	-	-	-	-	-
Total Sheriff's Office	-	-	-	5,604,000	5,604,000	5,604,000	16,812,000
Tax Administration							
Tax Assessor Software Replacement	-	-	-	-	-	-	-
Total Tax Administration	-	-	-	-	-	-	-
Total Operating Budget Impact	\$ 346,896	\$ 346,896	\$ 1,072,896	\$ 10,827,766	\$ 10,827,766	\$ 10,827,766	\$ 34,249,986



General Capital Program

Section Summary

Resource Summary

Summary	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Capital Reserve Fund	-51,333	0	0	0	0	0	0	-51,333
FY 2016 General Obligation Bonds	0	-7,000,000	0	0	0	0	0	-7,000,000
FY 2017 General Obligation Bonds	0	0	0	-26,526,993	-70,371,570	0	0	-96,898,563
FY 2018 General Obligation Bonds	0	0	0	0	-22,704,651	0	0	-22,704,651
General PayGo	-61,143,432	-4,768,503	-2,295,560	-1,570,000	-1,050,000	-250,000	-250,000	-71,327,495
GO Bonds	-467,500	0	0	0	0	0	0	-467,500
Grant Funding	-459,940	-52,265	0	0	0	0	0	-512,205
Installment Financing	0	0	0	-2,400,000	0	0	0	-2,400,000
Other Activities	-606,479	0	0	0	0	0	0	-606,479
Utility Fund Balance	-327,500	0	0	0	0	0	0	-327,500
Total REVENUE	-63,056,184	-11,820,768	-2,295,560	-30,496,993	-94,126,221	-250,000	-250,000	-202,295,726

Programs	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>Administrative Services</i>								
IT Infrastructure and Efficiency Enhancements	1,904,000	339,238	0	570,000	0	0	0	2,813,238
Total Administrative Service	1,904,000	339,238	0	570,000	0	0	0	2,813,238
<i>Community Services</i>								
4H Pavilion and Ancillary Facilities	80,000	0	0	0	0	0	0	80,000
Facilities Maintenance and Renewal	0	125,000	125,000	125,000	125,000	125,000	125,000	750,000
Jesse Helms Park Development	1,519,442	0	0	6,553,473	0	0	0	8,072,915
Library Expansion and Development	51,333	0	0	1,986,057	17,874,510	0	0	19,911,900

General Capital Program

Section Summary

Resource Summary

Programs	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>Community Services</i>								
Park Development and Renewal	100,000	0	0	6,500,000	800,000	0	0	7,400,000
Total Community Services	1,750,775	125,000	125,000	15,164,530	18,799,510	125,000	125,000	36,214,815
<i>Facilities</i>								
Facilities Maintenance and Renewal	14,971,938	325,000	170,560	125,000	125,000	125,000	125,000	15,967,498
Human Services Campus	35,150,000	7,000,000	0	0	0	0	0	42,150,000
Total Facilities	50,121,938	7,325,000	170,560	125,000	125,000	125,000	125,000	58,117,498
<i>Growth Management</i>								
Growth Management	123,400	0	0	0	0	0	0	123,400
Total Growth Management	123,400	0	0	0	0	0	0	123,400
<i>Human Services</i>								
Human Services Automation and Record Management	2,427,661	104,530	0	0	0	0	0	2,532,191
Total Human Services	2,427,661	104,530	0	0	0	0	0	2,532,191
<i>Register of Deeds</i>								
IT Infrastructure and Efficiency Enhancements	0	177,000	0	0	0	0	0	177,000
Total Register of Deeds	0	177,000	0	0	0	0	0	177,000
<i>Sheriff's Office</i>								
Firearms Training and Qualifications Range	4,555,665	2,000,000	2,000,000	0	0	0	0	8,555,665
Jail and Sheriff's Office Replacement and Expansion Program	1,922,745	0	0	3,061,384	52,497,060	0	0	57,481,189
Law Enforcement Facilities Expansion & Renovations	250,000	0	0	750,000	0	0	0	1,000,000

General Capital Program

Section Summary

Resource Summary

Programs	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>Sheriff's Office</i>								
Total Sheriff's Office	6,728,410	2,000,000	2,000,000	3,811,384	52,497,060	0	0	67,036,854
<i>South Piedmont Community College</i>								
South Piedmont Community College	0	1,750,000	0	8,426,079	22,704,651	0	0	32,880,730
Total South Piedmont Comm	0	1,750,000	0	8,426,079	22,704,651	0	0	32,880,730
<i>Tax Administration</i>								
Tax Assessment and Administration Software Replacement	0	0	0	2,400,000	0	0	0	2,400,000
Total Tax Administration	0	0	0	2,400,000	0	0	0	2,400,000

4H Pavilion and Ancillary Facilities

Program Detail

Program Scope

Program provides for the initial feasibility study to be conducted for a Pavilion and Ancillary Facilities to serve the equestrian, livestock, and greater area needs. The feasibility study will help determine the needs of the community.

Program Operating Budget Impact

This program only provides for a study at this time and the operating impact is undetermined. The operating cost will become better defined as the projects and operating plans are further developed.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-80,000	0	0	0	0	0	0	-80,000
Total REVENUE	-80,000	0	0	0	0	0	0	-80,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
PR067 4H Pavilion/ Ancillary Facilities	80,000	0	0	0	0	0	0	80,000
Total EXPENDITURES	80,000	0	0	0	0	0	0	80,000

4H Pavilion/ Ancillary Facilities

Project Detail

Community Services

4H Pavilion and Ancillary Facilities

Project Scope

Project provides for a feasibility study to be conducted for a Pavilion and Ancillary Facilities to serve the equestrian, livestock, and greater area needs.

Project Justification and History

During the initial discussions about the Union County Agricultural Services Center, opened in 2005, the topic of an event center (Pavilion) at the site was included. After the construction of the Services and Conference Center, discussions about the Pavilion continued. Some conversations between interested parties were held, but with very little formal planning. The end result was that there was some community interest in a facility to potentially hold livestock shows, horse shows, tractor shows and pull events, indoor concerts and other community events that could be held in an enclosed but non-climate controlled facility. However, over the years nothing has been done to formalize the level of community interest, the potential uses of such a facility or the cost/benefits of such a facility. This proposal should address those issues. While there has been discussion about such a facility, there needs to be a larger discussion with stakeholders to determine if it is a priority. Also, there needs to be input as to the community's expectations of what such a facility should be and how it should function. These factors are essential to determining the public's willingness to pay for and use such a facility. If there is public support around the idea of such a facility, then input must be generated as to expectations related to size and configuration. Operational expectations related to potential uses and governing policies should also be generated. In the limited previous discussions about the facility there has been an assumption that the best site is on the present Agricultural Center property. The discussion should allow for open input as to thoughts about this site and/or others and the study should provide an interpretation of those thoughts. Even though they may be very preliminary, cost projections for the size, configuration and function of such a facility should be estimated. Also, any potential for a phased construction process should be considered and outlined.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-80,000	0	0	0	0	0	0	-80,000
Total REVENUE	-80,000	0	0	0	0	0	0	-80,000
EXPENDITURES								
Other Activities	80,000	0	0	0	0	0	0	80,000
Total EXPENDITURES	80,000	0	0	0	0	0	0	80,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Facilities Maintenance and Renewal

Program Detail

Program Scope

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. Additionally, a study is recommended that will provide a long-term renovation plan for the Historic County Courthouse.

Program Operating Budget Impact

These expenditures primarily represent routine improvements and renovations to existing County facilities, it is assumed that operating expenses will remain constant with current operating costs for the existing spaces. In cases where efficiencies are made with building renovations, or systems are replaced with those that are more energy-efficient, there may be annual energy savings.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-14,955,575	-450,000	-295,560	-250,000	-250,000	-250,000	-250,000	-16,701,135
Other Activities	-16,363	0	0	0	0	0	0	-16,363
Total REVENUE	-14,971,938	-450,000	-295,560	-250,000	-250,000	-250,000	-250,000	-16,717,498

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
GS005 Upgrade or Replace BAS	0	0	0	0	0	0	0	0
PR028 Historic Post Office Renovations Phase 1	160,151	0	0	0	0	0	0	160,151
PR056 Energy Savings Project	122,675	0	45,560	0	0	0	0	168,235
PR064 Historic Courthouse Renovations	75,000	0	0	0	0	0	0	75,000
PR070 Monroe Main Library Chiller Replacement	0	200,000	0	0	0	0	0	200,000
PR071 County Facilities Repair	0	125,000	125,000	125,000	125,000	125,000	125,000	750,000
PR072 Community Services Replacement & Renewal	0	125,000	125,000	125,000	125,000	125,000	125,000	750,000

Facilities Maintenance and Renewal

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
PR280 Government Facilities Renovations	14,614,112	0	0	0	0	0	0	14,614,112
Total EXPENDITURES	14,971,938	450,000	295,560	250,000	250,000	250,000	250,000	16,717,498

Upgrade or Replace BAS

Project Detail

Facilities Facilities Maintenance and Renewal

Project Scope

Project provides for an upgrade to the Building Automation System (BAS) backbone. This project will provide both software and hardware for a new BAS.

Project Justification and History

Currently there are five different BAS systems within the County facilities. A common BAS system allows for seamless HVAC controls and minimizes issues related to controls. Current control systems conflict with one another and several are becoming obsolete requiring future replacement.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	0	0	0	0	0	0	0	0
Total REVENUE	0	0	0	0	0	0	0	0
EXPENDITURES								
Other Activities	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	0	0	0	0	0	0	0
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Historic Post Office Renovations Phase 1

Project Detail

Facilities Facilities Maintenance and Renewal

Project Scope

Project provides for renovations to the Historic Old Post Office.

Project Justification and History

Previously approved capital project.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	-160,151	0	0	0	0	0	0	-160,151
Total REVENUE	-160,151	0	0	0	0	0	0	-160,151
<i>EXPENDITURES</i>								
Construction	160,151	0	0	0	0	0	0	160,151
Total EXPENDITURES	160,151	0	0	0	0	0	0	160,151
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Energy Savings Project

Project Detail

Facilities Facilities Maintenance and Renewal

Project Scope

Project provides for the replacement of heating, ventilation, and air conditioning units (HVAC), installation of lighting controls, and other energy saving technologies at various County facilities.

Project Justification and History

HVAC Units at Public School Administration, Group Home and Transportation building are reaching the end of their life expectancy. Replacing these units with more efficient systems will produce significant energy savings. Current units use a cooling medium that is obsolete.

Energy Savings Grant funds were used to install lighting controls in the Judicial Center; unfortunately the individual floors were not connected into one controller. These funds are requested to make necessary changes, tying all floors together.

Renovations in the Government Center began in 2006. Lighting Control was not installed when the first through fifth floors were complete. Since that time energy code has changed and lighting controls have become mandatory.

Union County was allocated \$751,800 through an Energy Efficiency and Conservation Community Block Grant (EECBG) from the Department of Energy. The previously unfunded program received stimulus appropriation from the federal American Recovery and Reinvestment Act of 2009 (ARRA). Using the funds, Union County was required to develop and implement projects to improve energy efficiency and reduce emissions. Union County has implemented several energy saving strategies at a number of their facilities. Utility consumption data taken over the past four fiscal years (2009-2012) show an energy savings of 4,134,315 kBtu / \$44,997. The strategy is to reinvest these energy savings from those projects into additional projects.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-106,312	0	-45,560	0	0	0	0	-151,872
Other Activities	-16,363	0	0	0	0	0	0	-16,363
Total REVENUE	-122,675	0	-45,560	0	0	0	0	-168,235
EXPENDITURES								
Construction	112,675	0	45,560	0	0	0	0	158,235
Other Activities	10,000	0	0	0	0	0	0	10,000
Total EXPENDITURES	122,675	0	45,560	0	0	0	0	168,235
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Historic Courthouse Renovations

Project Detail

Facilities

Facilities Maintenance and Renewal

Project Scope

Project provides for a study of the Historic County Courthouse. The study will include, among other items, a long-term plan for renovation and possible usage. Once the study is complete the study will be the basis for future renovation and restoration projects. This project provides funding for future renovations and restoration.

Project Justification and History

The Historic Courthouse was constructed in 1886 and serves as an iconic community asset. In recent years as County services have transitioned to more modern spaces, the usage of the Courthouse has been greatly diminished. There are a number of possibilities for future uses. The proposed study will provide the options for those uses and provide guidance concerning renovations and restorations, including needed safety enhancements, based on the final determined use. The study is the first step in the long-term renovation and restoration process. Currently the Historic Courthouse has issues with water infiltration in the clock tower as well as the basement. Additionally, the HCH needs to have a fire sprinkler system installed and ADA accessibility needs improvements. The courtroom needs the ceiling refurbished to its original smooth finish and the frieze is badly damaged in many places. The roof also needs attention and will only get worse over time.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-75,000	0	0	0	0	0	0	-75,000
Total REVENUE	-75,000	0	0	0	0	0	0	-75,000
EXPENDITURES								
Construction	0	0	0	0	0	0	0	0
Design and Engineering	0	0	0	0	0	0	0	0
Studies	75,000	0	0	0	0	0	0	75,000
Total EXPENDITURES	75,000	0	0	0	0	0	0	75,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Monroe Main Library Chiller Replacement

Project Detail

Facilities Facilities Maintenance and Renewal

Project Scope

Replace existing chiller at Monroe Main Library.

Project Justification and History

The existing chiller was installed during Library renovations in late 2001. The chiller is a unit that produces the cooling needs for the main Library located in Monroe. Average life expectancy of a chiller is about fifteen years. The chiller will be at the end of its service life in fiscal year 2015 and the cooling medium the unit uses is already obsolete. Numerous repairs have made to the current chiller over the past two years. The current chiller could potentially require costly repairs should it go down during the summer months. Replacing the chiller as scheduled should eliminate a disruption of service. Technology has advanced significantly in the past ten years and the increased efficiency would help mitigate the purchase cost.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	0	-200,000	0	0	0	0	0	-200,000
Total REVENUE	0	-200,000	0	0	0	0	0	-200,000
EXPENDITURES								
Construction	0	200,000	0	0	0	0	0	200,000
Total EXPENDITURES	0	200,000	0	0	0	0	0	200,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

County Facilities Repair

Project Detail

Facilities Facilities Maintenance and Renewal

Project Scope

Project provides working capital for ongoing maintenance and repairs for County facilities.

Project Justification and History

The funds appropriated in this project will roll from year to year if funding is unspent. These funds will ensure the County has adequate funding in place for ongoing maintenance, repairs, and emergencies repairs that may arise.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
<i>REVENUE</i>									
General PayGo	0	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-750,000
Total REVENUE	0	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-750,000
<i>EXPENDITURES</i>									
Other Activities	0	125,000	125,000	125,000	125,000	125,000	125,000	125,000	750,000
Total EXPENDITURES	0	125,000	125,000	125,000	125,000	125,000	125,000	125,000	750,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Community Services Replacement & Renewal

Project Detail

Community Services

Facilities Maintenance and Renewal

Project Scope

Project provides funding for ongoing Community Services Infrastructure and Facilities.

Project Justification and History

The funds appropriated in this project can be used for any Community Services infrastructure or Facility needs.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
General PayGo	0	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-750,000
Total REVENUE	0	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-750,000
EXPENDITURES									
Other Activities	0	125,000	125,000	125,000	125,000	125,000	125,000	125,000	750,000
Total EXPENDITURES	0	125,000	125,000	125,000	125,000	125,000	125,000	125,000	750,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Government Facilities Renovations

Project Detail

Facilities Facilities Maintenance and Renewal

Project Scope

Project provides for renovations to existing County Government Facilities.

Project Justification and History

Previously approved capital project.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-14,614,112	0	0	0	0	0	0	-14,614,112
Total REVENUE	-14,614,112	0	0	0	0	0	0	-14,614,112
EXPENDITURES								
Construction	14,614,112	0	0	0	0	0	0	14,614,112
Total EXPENDITURES	14,614,112	0	0	0	0	0	0	14,614,112
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Firearms Training and Qualifications Range

Program Detail

Program Scope

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

Program Operating Budget Impact

The Firearms Training and Qualification Range is currently being designed. Once the design is in place we will be able to better determine the operating budget impact.

The current staff in the Training Bureau at the Sheriff's Office will be responsible for operating the Firearms Range and it is not anticipated at this time to require additional personnel.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-3,995,665	-2,000,000	-2,000,000	0	0	0	0	-7,995,665
Other Activities	-560,000	0	0	0	0	0	0	-560,000
Total REVENUE	-4,555,665	-2,000,000	-2,000,000	0	0	0	0	-8,555,665
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
PR020 Firearms Training And Qualifications Range	4,555,665	2,000,000	2,000,000	0	0	0	0	8,555,665
Total EXPENDITURES	4,555,665	2,000,000	2,000,000	0	0	0	0	8,555,665

Firearms Training And Qualifications Range

Project Detail

Sheriff's Office

Firearms Training and Qualifications Range

Project Scope

This project provides for the construction of the Union County Sheriff's Office Firearms Training and Qualification Range. Project provides for the detailed design, necessary infrastructure and facilities development including backstops, flood lights, range house, target stand system, and related development needs.

Project Justification and History

The Sheriff's Training and Standards Commission (STSC) requires annual firearms qualification for all authorized Officers. This requirement includes daytime handgun, shotgun, and combat courses and nighttime handgun, shotgun, and combat courses. It also includes qualifications with all specialty weapons. As this Agency's staffing grows, the need for our own range grows. Officers and SRT personnel must practice fire at least monthly in order to maintain a higher level of proficiency commensurate with the liability associated with those particular job functions.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-3,995,665	-2,000,000	-2,000,000	0	0	0	0	-7,995,665
Other Activities	-35,000	0	0	0	0	0	0	-35,000
Other Activities	-525,000	0	0	0	0	0	0	-525,000
Total REVENUE	-4,555,665	-2,000,000	-2,000,000	0	0	0	0	-8,555,665
EXPENDITURES								
Construction	3,253,523	2,000,000	2,000,000	0	0	0	0	7,253,523
Land Acquisition	1,302,142	0	0	0	0	0	0	1,302,142
Total EXPENDITURES	4,555,665	2,000,000	2,000,000	0	0	0	0	8,555,665
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Growth Management

Program Detail

Program Scope

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 Operating Budget Impact

The Inspections Mobile Office will have an annual software maintenance fee of \$3,000. Any additional cost would be acquired on an as needed basis for modifications to reporting.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-123,400	0	0	0	0	0	0	-123,400
Total REVENUE	-123,400	0	0	0	0	0	0	-123,400
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
PR050 Inspection Mobile Office	123,400	0	0	0	0	0	0	123,400
Total EXPENDITURES	123,400	0	0	0	0	0	0	123,400

Inspection Mobile Office

Project Detail

Growth Management

Growth Management

Project Scope

Project provides for a new Building Code Enforcement Inspections Mobile Office.

Project Justification and History

Previously approved capital project.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-123,400	0	0	0	0	0	0	-123,400
Total REVENUE	-123,400	0	0	0	0	0	0	-123,400
EXPENDITURES								
FF&E	100,744	0	0	0	0	0	0	100,744
Other Activities	22,656	0	0	0	0	0	0	22,656
Total EXPENDITURES	123,400	0	0	0	0	0	0	123,400
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Human Services Automation and Record Management

Program Detail

Program Scope

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.

Program Operating Budget Impact

The DSS Business Automation project will have an operational budget impact of \$178,496 on an annual basis. These cost include software maintenance of \$175,130 and hardware support of \$3,366.

The Electronic Medical Records project will have an operational budget impact of \$50,000 on an annual basis for maintenance fees.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-1,967,721	-52,265	0	0	0	0	0	-2,019,986
Grant Funding	-459,940	-52,265	0	0	0	0	0	-512,205
Total REVENUE	-2,427,661	-104,530	0	0	0	0	0	-2,532,191
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
PR051 DSS Business Automation Systems	1,332,781	0	0	0	0	0	0	1,332,781
PR061 DSS Business Automation Systems Ph II	919,880	104,530	0	0	0	0	0	1,024,410
PR063 Electronic Medical Records	175,000	0	0	0	0	0	0	175,000
Total EXPENDITURES	2,427,661	104,530	0	0	0	0	0	2,532,191

DSS Business Automation Systems

Project Detail

Human Services

Human Services Automation and Record Management

Project Scope

Project provides for implementation of document imaging to a paperless system; ensuring efficiency and timeliness in delivery of services provided to the citizens of Union County. To effectively manage client appointments and improve client business flow; reducing wait times for Union County citizens.

Project Justification and History

Document imaging at Union County Department of Social Services (UCDSS) is required due to the mandatory roll out of NC Fast (North Carolina Families Accessing Services through Technology) State software initiative. NC Fast is a comprehensive case management system designed to improve the business processes Social Services perform by creating an electronic client record. This enables caseworkers to spend less time performing administrative tasks and more time assisting families. NC Fast automation tools assist in determining eligibility, evaluating outcomes and ensuring accountability across all programs and counties in North Carolina. Implementation of Phase I and Phase II is complete. Phase III implementation of NC Fast will include Adult and Children Services and should be implemented by the end of 2014.

Union County DSS has completed document imaging of current client records in Food and Nutrition Services, Medicaid, Work First, Adult Protective Services, and the Day Care units. With approval of the CIP, UCDSS will be able to implement NC Fast successfully in these departments.

According to the State’s record retention policy the Adoption and Child Protective Service client files must be kept indefinitely. Scanning of these files will provide a secure setting to store the documents. Once scanning is complete, these files can be imported into our Document Imaging Software at Union County Department of Social Services (UCDSS), for easy access and is a requirement of the NC Fast State software initiative.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-1,332,781	0	0	0	0	0	0	-1,332,781
Total REVENUE	-1,332,781	0	0	0	0	0	0	-1,332,781
EXPENDITURES								
FF&E	1,075,372	0	0	0	0	0	0	1,075,372
Other Activities	257,409	0	0	0	0	0	0	257,409
Total EXPENDITURES	1,332,781	0	0	0	0	0	0	1,332,781
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

DSS Business Automation Systems Ph II

Project Detail

Human Services

Human Services Automation and Record Management

Project Scope

To continue implementation of document imaging to a paperless system; ensuring efficiency and timeliness in delivery of services provided to the citizens of Union County. To effectively manage client appointments and improve client business flow; reducing wait times for Union County citizens.

Project Justification and History

Document imaging at Union County Department of Social Services (UCDSS) is required due to the mandatory roll out of NC Fast (North Carolina Families Accessing Services through Technology) State software initiative. NC Fast is a comprehensive case management system designed to improve the business processes Social Services perform by creating an electronic client record. This enables caseworkers to spend less time performing administrative tasks and more time assisting families. NC Fast automation tools assist in determining eligibility, evaluating outcomes and ensuring accountability across all programs and counties in North Carolina. Implementation of Phase I and Phase II is complete. Phase III implementation of NC Fast will include Adult and Children Services and should be implemented by the end of 2014.

According to the State's record retention policy the Adoption and Child Protective Service client files must be kept indefinitely. Scanning of these files will provide a secure setting to store the documents. Once scanning is complete, these files can be imported into our Document Imaging Software at Union County Department of Social Services (UCDSS), for easy access and is a requirement of the NC Fast State software initiative.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-459,940	-52,265	0	0	0	0	0	-512,205
Grant Funding	-459,940	-52,265	0	0	0	0	0	-512,205
Total REVENUE	-919,880	-104,530	0	0	0	0	0	-1,024,410
EXPENDITURES								
Other Activities	888,530	104,530	0	0	0	0	0	993,060
Other Activities	31,350	0	0	0	0	0	0	31,350
Total EXPENDITURES	919,880	104,530	0	0	0	0	0	1,024,410
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Electronic Medical Records

Project Detail

Human Services

Human Services Automation and Record Management

Project Scope

Project provides for the implementation of an electronic health records management system including related consulting, equipment, and related expenses.

Project Justification and History

EHR regulations detail the manner in which health care providers qualify for Medicare and Medicaid HER “meaningful use” payments under The Health Information Technology for Economic and Clinical Health (HITECH) Act, which in turn is part of the American Recovery and Reinvestment Act of 2009 (ARRA). Providers who fall behind in achieving meaningful use will eventually receive lower reimbursement rates for treating Medicare patients. Medicaid has currently not implemented a rate reduction schedule but is anticipated to do so although as part of the Act, Medicaid will provide incentive payments for compliance.

EHRs pull together all of a patient's medical information into one central database within an organization. These systems provide up-to-date clinical information and decision support tools in “real time”. These electronic records track team performance measures such as like infections, medical errors, and even prevention compliance. As with any HER, the identified strengths and vulnerabilities quickly stand out to be corrected.

Electronic records enable specialists who see a patient to work more as a team. Over time, most patients see several specialists in addition to their primary care physician. Until now, each doctor has kept his own chart for each patient, leading to duplicate tests and time wasted by answering the same questions from different doctors. By giving all of a patient's physicians’ access to one unified patient file, an HER system wipes out longstanding bottlenecks in healthcare. There are no paper records that a patient's primary care doctor might forget to send to the specialist. The attending views everything up on his screen.

The Medicare HER Incentive Program provides incentive payments to eligible professionals, eligible hospitals, and critical access hospitals (CAHs) that demonstrate meaningful use of certified HER technology.

Eligible professionals can receive up to \$44,000 over five years under the Medicare HER Incentive Program. There's an additional incentive for eligible professionals who provide services in a Health Professional Shortage Area (HSPA). To get the maximum incentive payment, Medicare eligible professionals must have begun participation by 2012.

The Program provides incentive payments to the eligible groups listed above as they adopt, implement, upgrade, or demonstrate meaningful use of certified HER technology in their first year of participation and demonstrate meaningful use for up to five remaining participation years.

Eligible professionals can receive up to \$63,750 over the six years that they choose to participate in the HER program. Prior to HER implementation, an agency must be prepared to involve all levels of agency staff. This involves installing, hardware platforms that comply with the software requirements and training prior to and including support after implementation.

Many vendors currently offer products that will meet meaningful use but the price ranges, depending on the platforms and levels of detail needed by each clinic, are complex. Values assigned to each product, based on our findings, range from the low \$100K's to the mid \$200K's.

Since 2009 staff has progressed within our new state Medicaid billing system (Health Information System or HIS). The conversion has not been a smooth

Electronic Medical Records

Project Detail

Human Services

Human Services Automation and Record Management

transition and has delayed much of our practice flow. It is the State’s intention to have HIS “meaningful use” ready and eligible for us to receive incentive payments by the end of this fiscal year.

Due to the history and uncertainty of the product, it is our intention to keep the option open of purchasing an alternative system in the future.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	-175,000	0	0	0	0	0	0	-175,000
Total REVENUE	-175,000	0	0	0	0	0	0	-175,000
<i>EXPENDITURES</i>								
Other Activities	175,000	0	0	0	0	0	0	175,000
Total EXPENDITURES	175,000	0	0	0	0	0	0	175,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Human Services Campus

Program Detail

Program Scope

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.

Program Operating Budget Impact

The Human Service Campus will be partially funded from the issuance of General Obligation Bonds of \$7,000,000 in FY 2016. The maximum annual debt service impact will be \$726,000 and is projected to begin in FY 2017 and retire in FY 2036.

The Human Services Campus will house the Department of Social Services and the Health Department which receive federal and state grant funding. It is anticipated that the cost of the Human Service Campus will be offset by federal and state funding. The amount of federal and state reimbursement is undetermined at this time.

Since 1998 the County has leased space for the Human Service Departments. The annual lease payment currently is \$469,667 annually. The lease will expire in FY 2017 and beginning in FY 2018 there will be a reduction in the operating budget for lease payments.

It is anticipated that the operating budget impact of the new facility would require additional utility and occupancy cost. The amount of these cost are undetermined at this time.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2016 General Obligation Bonds	0	-7,000,000	0	0	0	0	0	-7,000,000
General PayGo	-35,150,000	0	0	0	0	0	0	-35,150,000
Total REVENUE	-35,150,000	-7,000,000	0	0	0	0	0	-42,150,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
PR059 Human Services Campus	35,150,000	7,000,000	0	0	0	0	0	42,150,000
Total EXPENDITURES	35,150,000	7,000,000	0	0	0	0	0	42,150,000

Human Services Campus

Project Detail

Facilities

Human Services Campus

Project Scope

Based on the updated space needs study, a new Human Services Campus will require a site of approximately 20 acres, will initially be approximately 130,000 square feet in size, and will require staff parking of 400 spaces and separate client parking of 250 spaces. The projected facility will be in the category of a Class B office building and the site plan will allow space for 70,000 square feet of expansion. Between September and December 2012, Solutions for Local Government completed a detailed Architectural Space Program which defined specific spaces, quantities of offices and open office areas, square footages of each space and space adjacencies. The program identified a need for 112,016 net square feet to meet the County's projected ten (10) year need. To realistically estimate the gross square footage needed a multiplier of 30-40% was applied to the net square footage to account for interior circulation space, interior and exterior walls, mechanical and electrical spaces, elevators, and various structural and internal systems requirements. The resulting square footage estimates are in the range of 145,620 - 156,822.

Project Justification and History

Union County, since 1998, has leased space for the Health Department, Social Services, and Juvenile Services. With the unprecedented growth in population, the County has outgrown the existing space and needs to expand into a permanent facility that will meet the long-term needs. The current lease expires on June 30, 2017.

In mid-2010, Solutions for Local Government, Inc., completed a Space Needs Study of the Health Department, Social Services, Child Support Enforcement, Veterans Services, and Juvenile Services in anticipation of a capital project to replace the existing Union Village facility. With the economic downturn, this project was delayed. In anticipation of the revival of this project, the Study was updated in May, 2012 to reflect the changed service demands resulting from the downturn.

County staff has been reviewing options for housing these departments in a new building after expiration of the Union Village lease. If the County were to construct a new facility, there are several traditional and non-traditional methods of bidding and contracting that could be utilized. The most common traditional construction method, and that used by Union County on all but two major construction projects, is the standard design-bid-build model. Other construction methods that are currently allowed by general statute include: separate or multi-prime (bidding general, HVAC, electrical and plumbing separately), dual contracting (a combination of single and separate prime bidding) and construction management at risk.

In addition to these methods, Union County requested and received authorization from the Legislature by special act to utilize alternative construction methods for the construction of human services and law enforcement facilities. As authorized by Session Law 2012-59, Union County has five years within which to utilize the construction methods of (i) design-build, (ii) design-build-operate, or (iii) request for proposals and negotiation. Under the design-build method, the County would select a single firm both to design and build the project for a specified price.

As a corollary method of request for proposal and negotiation (item iii above), the 2012 special act specifically authorizes the County to enter into a build-to-suit capital lease for construction of a human services facility. Under this construction method, the County would enter into a lease with a private developer who would construct the building to the County's specifications. The developer would recoup its investment over time through lease payments by the County. The private developer would not be required to observe the standard procurement requirements of Article 3D (architectural/engineering services) or Article 8 (construction) of Chapter 143 of the General Statutes.

Human Services Campus

Project Detail

Facilities Human Services Campus

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
FY 2016 General Obligation Bonds	0	-7,000,000	0	0	0	0	0	-7,000,000
General PayGo	-35,150,000	0	0	0	0	0	0	-35,150,000
Total REVENUE	-35,150,000	-7,000,000	0	0	0	0	0	-42,150,000
<i>EXPENDITURES</i>								
FF&E	31,500,000	7,000,000	0	0	0	0	0	38,500,000
Other Activities	3,650,000	0	0	0	0	0	0	3,650,000
Total EXPENDITURES	35,150,000	7,000,000	0	0	0	0	0	42,150,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

IT Infrastructure and Efficiency Enhancements

Program Detail

Program Scope

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.

Program Operating Budget Impact

The operating budgeted expenditures associated with the IT program consist of software and hardware maintenance for Document Imaging at a cost of approximately \$115,400 per year. The software maintenance will be 20% of the purchase price on an annual basis or approximately \$110,000. The hardware maintenance for the Document Imaging project is approximately \$100 per scanner. The County anticipates having 54 scanners in place at the completion of the Document Imaging project, for a total cost of hardware maintenance at \$5,400.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-1,576,500	-516,238	0	-570,000	0	0	0	-2,662,738
Utility Fund Balance	-327,500	0	0	0	0	0	0	-327,500
Total REVENUE	-1,904,000	-516,238	0	-570,000	0	0	0	-2,990,238
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
IT002 Storage Area Network Replacement (SAN)	0	0	0	570,000	0	0	0	570,000
PR048 County Wide Document Imaging Program	1,249,000	339,238	0	0	0	0	0	1,588,238
PR062 Phone System Upgrade	655,000	0	0	0	0	0	0	655,000
PR073 Register of Deeds Redaction	0	177,000	0	0	0	0	0	177,000
Total EXPENDITURES	1,904,000	516,238	0	570,000	0	0	0	2,990,238

Storage Area Network Replacement (SAN)

Project Detail

Administrative Services

IT Infrastructure and Efficiency Enhancements

Project Scope

This project will involve the replacement of the County's current storage area network (SAN). The storage area network is the disk storage utilized by the County. This project will involve replacement of the two existing storage area network units. The first storage area network unit is used as the primary storage of data for the various departments within the County. The second storage area network unit is utilized for disaster recovery. Should the primary storage area network unit fail and lose all data, the storage area network unit located off-site will have the County's data available.

Project Justification and History

The assumption is the County will require more storage space and the equipment has exceeded its five year life span.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	0	0	0	-570,000	0	0	0	-570,000
Total REVENUE	0	0	0	-570,000	0	0	0	-570,000
<i>EXPENDITURES</i>								
TBA	0	0	0	570,000	0	0	0	570,000
Total EXPENDITURES	0	0	0	570,000	0	0	0	570,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

County Wide Document Imaging Program

Project Detail

Administrative Services

IT Infrastructure and Efficiency Enhancements

Project Scope

Project provides the needed consulting, software, hardware, and other project cost related to a Countywide document imaging program.

Project Justification and History

In March of 2008, Union County contracted with eVisory to perform an assessment of the document imaging (electronic content management) needs of the County. That document imaging assessment showed that DSS would benefit the most of any other department within the County, by implementing a document imaging system. The assessment then identified the other departments within the County that would recognize significant benefit. The findings of that document imaging assessment were shared with the Board of Commissioners at a Commissioners meeting in 2008.

In February of 2011, an RFP for document imaging was sent out that would satisfy the document imaging needs of DSS. The responses to that RFP were received by the County in March of 2011.

The State has been working on a new application for the DSS agencies in North Carolina. The new application is called NCFast. This new State application will centralize all DSS client information in one central repository located at the State. In conjunction with this new application, the State is looking for the Counties to implement a document imaging system that will capture the necessary supporting documentation of the client. The State is looking for the County provided document imaging system to tie in with the client information stored in the State system. The State was looking for several Counties to be a pilot for this new application. Union County was chosen to be one of the pilot Counties. The first pilot phase will be implemented in the Food Stamp group at DSS. This phase of NCFast will be installed at Union County in June of 2012.

To meet the requirement of providing document imaging for this new State application, the County in December of 2011, sent out another RFP that could satisfy the requirements of document imaging for DSS as well as other departments within the County. The responses to that RFP were received in January of 2012.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-1,249,000	-339,238	0	0	0	0	0	-1,588,238
Total REVENUE	-1,249,000	-339,238	0	0	0	0	0	-1,588,238
EXPENDITURES								
FF&E	1,073,549	339,238	0	0	0	0	0	1,412,787
Other Activities	175,451	0	0	0	0	0	0	175,451
Total EXPENDITURES	1,249,000	339,238	0	0	0	0	0	1,588,238
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Phone System Upgrade

Project Detail

Administrative Services

IT Infrastructure and Efficiency Enhancements

Project Scope

Project provides for the upgrade of the County's existing phone system to a voice over internet protocol (VoIP). The upgrade includes needed project management, equipment, infrastructure upgrades, training, software, and other project related costs.

Project Justification and History

The present phone system provides dial tone, voicemail and auto attendant. The business requirements of the County are demanding more communications capabilities from the phone system. Departments are requesting ACD (automatic call distribution) capability, conference bridging, IVR (integrated voice response), and unified communications.

The vendor of the current phone system is Nortel, whom went bankrupt in January of 2009. Avaya acquired those assets and promised support for six years provided the customer keep the phone system upgraded. The County's systems have not been upgraded. As organizations replace legacy phone systems like the County has, parts will become more readily available; however, those qualified to install the parts are already in short supply.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	-327,500	0	0	0	0	0	0	-327,500
Utility Fund Balance	-327,500	0	0	0	0	0	0	-327,500
Total REVENUE	-655,000	0	0	0	0	0	0	-655,000
<i>EXPENDITURES</i>								
Other Activities	655,000	0	0	0	0	0	0	655,000
Total EXPENDITURES	655,000	0	0	0	0	0	0	655,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Register of Deeds Redaction

Project Detail

Register of Deeds

IT Infrastructure and Efficiency Enhancements

Project Scope

Project provides for the purchase of software provided by Logan Sytems, Inc. The software provides Optical Character Recognition (OCR) technology. This software is to identify not only all apparent social security numbers and other personal information, but also pages that contain contextual clues for personal information.

Project Justification and History

Requested by Register of Deeds and recommended by the Board of County Commissioners.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGO	0	-177,000	0	0	0	0	0	-177,000
Total REVENUE	0	-177,000	0	0	0	0	0	-177,000
<i>EXPENDITURES</i>								
Other Activities	0	177,000	0	0	0	0	0	177,000
Total EXPENDITURES	0	177,000	0	0	0	0	0	177,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Jail and Sheriff's Office Replacement and Expansion Program

Program Detail

Program Scope

Program provides for the replacement and expansion of existing office and 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.

Program Operating Budget Impact

The Jail and Sheriff's Office Replacement program is primarily funded from the issuance of General Obligation Bonds of \$55,558,444 in FY 2017. The maximum annual debt service impact for this program will be \$5,604,000 and is projected to begin in FY 2018 and retire in FY 2037.

The operating budget impact of the new facility is undetermined at this time. The operating cost will become better defined as the project and operating plans are further developed. It is anticipated to have additional operating budget impact of new personnel, additional utility and occupancy cost.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 General Obligation Bonds	0	0	0	-3,061,384	-52,497,060	0	0	-55,558,444
General PayGo	-1,425,129	0	0	0	0	0	0	-1,425,129
GO Bonds	-467,500	0	0	0	0	0	0	-467,500
Other Activities	-30,116	0	0	0	0	0	0	-30,116
Total REVENUE	-1,922,745	0	0	-3,061,384	-52,497,060	0	0	-57,481,189
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
PR019 Replacement And Expansion Of Jail And Sheriff's Office	1,922,745	0	0	3,061,384	52,497,060	0	0	57,481,189
Total EXPENDITURES	1,922,745	0	0	3,061,384	52,497,060	0	0	57,481,189

Replacement And Expansion Of Jail And Sheriff's Office

Project Detail

Sheriff's Office

Jail and Sheriff's Office Replacement and Expansion Program

Project Scope

Program provides for the replacement and expansion of existing office and 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 Justification and History

The current Union County Jail Facility opened in 1994 after the County settled a Federal Lawsuit regarding the conditions under which inmates were being housed. Over the last 18 years, the inmate population has grown steadily and beyond the capacities designed for the current facility, and the population growth has increased by 10 percent. Population growth, coupled with aging of the structure has resulted in a facility that is inadequate to meet current inmate housing needs.

There are often more inmates than there are available beds and inmates are required to sleep on the floor. Several federal court cases (including in our U.S. 4th Circuit) have upheld that requiring inmates to sleep on the floor of a detention facility, for any reason, is cruel and unusual punishment and a violation of their Constitutional protections. Giving the history, the County risks additional lawsuits given current conditions.

Furthermore, insufficient housing for inmates puts the safety of our employees in jeopardy. Overcrowding and inadequate facilities both lend to a more stressful environment that could easily erupt into a dangerous situation for our officer. Depending on the shift, there could be as few officers working as eight (8) or ten (10) or as many as twenty-four (24). Considering that on a day in November of 2012 there were 299 inmates in custody, the inmate to officer ratio could be dangerously high.

Inmate population issues are not the only obstacles that make a new jail facility a necessity for the Sheriff's Office and the County. Over the past 18 years, the Union County Sheriff's Office has grown, not only in numbers, but in the way it conducts the County's business on a daily basis. Procedures within the jail have changed to meet the needs of a changing society and the process by which the jail operates is more involved. The current available space is not conducive to the daily operation of the jail. Many of the changes were made with the public's safety in mind, from ensuring the identity of a detainee to providing an accurate accounting of a person's criminal record so that an appropriate bond decision can be made.

Outside of the jail, changes in legislation have required operational modifications within the Sheriff's Office. Evidence and property storage laws dictate that we store more, longer. The current evidence room, a renovated training room, is not adequate conform to the mandated changes.

The ever-changing world of law enforcement technology is yet another issue the Office has encountered. As we try to keep up with the automation of many of our processes, our Information Technology needs and equipment are constantly growing and changing. Unfortunately, the space to accommodate this growth does not exist within our current structure. Overall, the Sheriff's Office is critically short of the office space needed to conduct business in an efficient and effective manner.

Changes in our service model, Federal and State Regulations and an increasing population have altered the way the Sheriff's Office must provide service to the citizens of Union County. This construction project will address and solve the deficiencies we encounter in our daily operations and will mitigate the constant

Replacement And Expansion Of Jail And Sheriff's Office

Project Detail

Sheriff's Office

Jail and Sheriff's Office Replacement and Expansion Program

liability exposure we face should a lawsuit occur. An expansion of this magnitude, while costly, will only increase in cost the longer it is set aside. Our constraints will only increase with time, making the expansion of the Sheriff's Office and Jail imperative to the continued quality of service we provide to the citizens of Union County.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2017 General Obligation Bonds	0	0	0	-3,061,384	-52,497,060	0	0	0	-55,558,444
General PayGo	-1,425,129	0	0	0	0	0	0	0	-1,425,129
GO Bonds	-467,500	0	0	0	0	0	0	0	-467,500
Other Activities	-30,116	0	0	0	0	0	0	0	-30,116
Total REVENUE	-1,922,745	0	0	-3,061,384	-52,497,060	0	0	0	-57,481,189
EXPENDITURES									
Construction	0	0	0	0	42,247,060	0	0	0	42,247,060
Design and Engineering	1,540,908	0	0	0	0	0	0	0	1,540,908
FF&E	0	0	0	0	10,000,000	0	0	0	10,000,000
Preliminary Design & Planning	364,165	0	0	3,061,384	250,000	0	0	0	3,675,549
Site Work	17,672	0	0	0	0	0	0	0	17,672
Total EXPENDITURES	1,922,745	0	0	3,061,384	52,497,060	0	0	0	57,481,189
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Jesse Helms Park Development

Program Detail

Program Scope

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.

Program Operating Budget Impact

The Jesse Helms Park Development Program is partially funded from the issuance of General Obligation Bonds on \$6,553,473 in FY 2017. The maximum annual debt service impact for this program will be \$681,500 and is projected to begin in FY 2018 and retire in FY 2037.

Once the development of Jesse Helms Park is complete it is anticipated that the operating budget impact will be \$180,839 on an annual basis. The additional operating budget expenditures approximate costs includes additional personnel and benefits of \$161,178, additional utility cost of \$7,855, and maintenance cost of \$3,000 on an annual basis.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 General Obligation Bonds	0	0	0	-6,553,473	0	0	0	-6,553,473
General PayGo	-1,519,442	0	0	0	0	0	0	-1,519,442
Total REVENUE	-1,519,442	0	0	-6,553,473	0	0	0	-8,072,915
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
BW001 Jesse Helms Park Passive Area Phase II	0	0	0	2,192,380	0	0	0	2,192,380
BW002 Trail System (Pilot Project)	0	0	0	658,404	0	0	0	658,404
BW005 Jesse Helms Park Phase III	0	0	0	3,702,689	0	0	0	3,702,689
PR041 JHP Bridge	715,496	0	0	0	0	0	0	715,496
PR043 JHP Passive Area Phase II	803,946	0	0	0	0	0	0	803,946
Total EXPENDITURES	1,519,442	0	0	6,553,473	0	0	0	8,072,915

Jesse Helms Park Passive Area Phase II

Project Detail

Community Services

Jesse Helms Park Development

Project Scope

Project provides for Phase II Development of Jesse Helms Park Passive Area, which includes the needed infrastructure to address the needs of the community, walking, running, biking, and other passive recreational activities.

Project Justification and History

The recreational items slated for this project were identified in the Jesse Helms Park Master Plan. The construction documents for this project were completed in early fall 2011. At that point, the project was placed out for bid. The bids received were well above budget and the project was “tabled”.

The Board of County Commissioners requested the Advisory Committee review the items in the project to see if they were still relevant based on the citizens’ needs. At the March 2012 Advisory Committee, all elements of the project were reviewed, and the committee felt that the items were still needed and were highly sought recreational activities “statewide”. They suggested that we move forward with the project when monies become available. At the January 2013 Advisory Committee Meeting, the committee selected this as their Number One Priority CIP Project due to the fact that the property is available, the construction documents are complete, and in order to meet the recreational needs of the public (walking, hiking, biking, picnicking).

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
<i>REVENUE</i>										
FY 2017 General Obligation Bonds	0	0	0	-2,192,380	0	0	0	0	-2,192,380	
Total REVENUE	0	0	0	-2,192,380	0	0	0	0	-2,192,380	
<i>EXPENDITURES</i>										
Construction	0	0	0	2,192,380	0	0	0	0	2,192,380	
Total EXPENDITURES	0	0	0	2,192,380	0	0	0	0	2,192,380	
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0	

Trail System (Pilot Project)

Project Detail

Community Services

Jesse Helms Park Development

Project Scope

Project provides for the development of Pilot Trail Project between Jesse Helms Park and Wingate.

Project Justification and History

The 2006 Comprehensive Master Plan identified the need for greenways in Union County and encouraged a “pilot project” between Jesse Helms Park and the Town of Wingate. The Town of Wingate is currently working on a greenway that would end within close proximity to Jesse Helms Park located on Presson Road. This project would help link the end of Wingate’s greenway to Jesse Helms Park, continue through the park, and exit onto Summerlin Dairy Road. This trail could be used by both hikers and bikers; averting Highway 74.

At the January 2013 Advisory Committee Meeting, the committee was briefed by Wingate’s Town Manager on the Town’s initiatives with the Greenway Project. The Advisory Committee viewed this as a good opportunity to partner with the Town of Wingate, completing a loop for bikers to use; and that this project would be a good use of Jesse Helms Park Property. The Committee selected this as their Number Two CIP Project. This project should be considered when developing the Passive Area for Jesse Helms Park to include “grading requirements” for this project.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
FY 2017 General Obligation Bonds	0	0	0	-658,404	0	0	0	-658,404
Total REVENUE	0	0	0	-658,404	0	0	0	-658,404
<i>EXPENDITURES</i>								
Construction	0	0	0	658,404	0	0	0	658,404
Total EXPENDITURES	0	0	0	658,404	0	0	0	658,404
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Jesse Helms Park Phase III

Project Detail

Community Services

Jesse Helms Park Development

Project Scope

Project provides for the Phase III Development of Jesse Helms Park, including construction of the remaining shelters, pavilion, and picnic sites; paving of a road system and bike trail from the entrance bridge to the soccer field; and completion of the pedestrian trail system and the maintenance facility.

Project Justification and History

This project will complete the development of the Passive Area at Jesse Helms Park per the 2006 Comprehensive Master Plan.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
REVENUE										
FY 2017 General Obligation Bonds	0	0	0	-3,702,689	0	0	0	0	-3,702,689	
Total REVENUE	0	0	0	-3,702,689	0	0	0	0	-3,702,689	
EXPENDITURES										
Construction	0	0	0	3,332,420	0	0	0	0	3,332,420	
Preliminary Design & Planning	0	0	0	370,269	0	0	0	0	370,269	
Total EXPENDITURES	0	0	0	3,702,689	0	0	0	0	3,702,689	
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0	

JHP Bridge

Project Detail

Community Services

Jesse Helms Park Development

Project Scope

Construction of Jesse Helms Park Bridge.

Project Justification and History

Previously approved as a capital project.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-715,496	0	0	0	0	0	0	-715,496
Total REVENUE	-715,496	0	0	0	0	0	0	-715,496
EXPENDITURES								
Construction	715,496	0	0	0	0	0	0	715,496
Total EXPENDITURES	715,496	0	0	0	0	0	0	715,496
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

JHP Passive Area Phase II

Project Detail

Community Services

Jesse Helms Park Development

Project Scope

Develop the Jesse Helms Park Passive Area.

Project Justification and History

Previously approved as a capital project.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	-803,946	0	0	0	0	0	0	-803,946
Total REVENUE	-803,946	0	0	0	0	0	0	-803,946
<i>EXPENDITURES</i>								
Construction	803,946	0	0	0	0	0	0	803,946
Total EXPENDITURES	803,946	0	0	0	0	0	0	803,946
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Law Enforcement Facilities Expansion & Renovations

Program Detail

Program Scope

Program provides for the renovation and expansion of existing law enforcement offices and for the construction of a climate controlled storage facilities for the County's special and tactical vehicles.

Program Operating Budget Impact

The Storage Garage for Special Response Vehicles will have an operating budget impact for additional utility cost. The cost for utilities are undetermined at this time.

The Sheriff's Office Renovations are not anticipated to have an operating budget impact. The renovations are improvements to the currently facility.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	-250,000	0	0	-750,000	0	0	0	-1,000,000
Total REVENUE	-250,000	0	0	-750,000	0	0	0	-1,000,000

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
LE001 Sheriff's Office Renovations	0	0	0	750,000	0	0	0	750,000
PR065 Storage Garage Special Response Vehicles	250,000	0	0	0	0	0	0	250,000
Total EXPENDITURES	250,000	0	0	750,000	0	0	0	1,000,000

Sheriff's Office Renovations

Project Detail

Sheriff's Office

Law Enforcement Facilities Expansion & Renovations

Project Scope

Project provides for the full renovation of the Sheriff's offices to include evidence storage, administrative offices, training space, technology upgrades, and other needed upgrades.

Project Justification and History

The Union County Sheriff's Office facility is in need of a complete renovation. This renovation becomes even more important if the decision is made not to move on with a Jail Expansion. The current space is not adequate to meet the needs of an ever changing Law Enforcement environment. Changes in legislation have required operational modifications within the Sheriff's Office. Evidence and property storage laws dictate that we store more, longer. Our current evidence room, a renovated training room, is not an adequate conform to the mandated changes. The ever-changing world of law enforcement technology is yet another issue the Office has encountered. As we try to keep up with the automation of many of our processes, our Information Technology needs and equipment are constantly growing and changing. Unfortunately, the space to accommodate this growth does not exist within our current structure. Overall, the Sheriff's Office is critically short of the office space needed to conduct business in an efficient and effective manner. Offices originally built for one employee now house two or three. The interview rooms are not soundproof and suspects are able to hear the daily business going on in the hallways.

Changes in our service model, Federal and State Regulations and an increasing population have altered the way the Sheriff's Office must provide service to the citizens of Union County. This construction project will address the deficiencies we encounter in our daily operations. This project is essential for the Sheriff's Office to provide the quality of service that the citizens of Union County expect and deserve.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
General PayGo	0	0	0	-750,000	0	0	0	-750,000
Total REVENUE	0	0	0	-750,000	0	0	0	-750,000
EXPENDITURES								
Construction	0	0	0	500,000	0	0	0	500,000
Design and Engineering	0	0	0	50,000	0	0	0	50,000
FF&E	0	0	0	200,000	0	0	0	200,000
Total EXPENDITURES	0	0	0	750,000	0	0	0	750,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Storage Garage Special Response Vehicles

Project Detail

Sheriff's Office

Law Enforcement Facilities Expansion & Renovations

Project Scope

Project provides for the construction of an enclosed, climate controlled storage facility for the County's specialty and tactical vehicles.

Project Justification and History

The Union County Sheriff's Office has a number of specialty vehicles, used mainly for emergency response situations. Currently these vehicles are stored in a 3 sided structure that offers limited protection from the elements and limited security. The County's investment in these expensive vehicles would be better protected with a 4 sided, climate controlled structure. Not only would they be kept from the deterioration that nature causes, they would be more secure. These vehicles hold ammunition, weapons and other items that not only need to be secure; they are best stored in a climate controlled environment. Letting these items get too hot or cold can degrade the effectiveness.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	-250,000	0	0	0	0	0	0	-250,000
Total REVENUE	-250,000	0	0	0	0	0	0	-250,000
<i>EXPENDITURES</i>								
Construction	250,000	0	0	0	0	0	0	250,000
Total EXPENDITURES	250,000	0	0	0	0	0	0	250,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Library Expansion and Development

Program Detail

Program Scope

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.

Program Operating Budget Impact

The Library Expansion and Development Program will be funded from the issuance of General Obligation Bonds of \$19,860,567 in FY 2017. The maximum annual debt service impact for this program will be \$2,018,000 and is projected to begin in FY 2018 and retire in FY 2037.

The South West Regional Library will require additional personnel and additional operating expenditures. The additional personnel for the new facility would require six full time employees at a cost of \$314,655 and four part time employees equivalent to 2.9 FTEs at \$95,423. Additional operating expenditures include office supplies of \$39,325 and occupancy cost of \$175,000 per year.

The Union West Regional Library expansion will require additional personnel and additional operating expenditures. The additional personnel for the expanded facility would be three full time employees at a cost of \$150,920 and four part time employees equivalent to 2.9 FTEs at \$95,423. The additional operating expenditures include office supplies of \$19,662 and occupancy cost of \$90,000.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Capital Reserve Fund	-51,333	0	0	0	0	0	0	-51,333
FY 2017 General Obligation Bonds	0	0	0	-1,986,057	-17,874,510	0	0	-19,860,567
Total REVENUE	-51,333	0	0	-1,986,057	-17,874,510	0	0	-19,911,900

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
6117 South West Union Library	51,333	0	0	1,293,657	11,642,910	0	0	12,987,900
LIB001 Union West Regional Library Expansion	0	0	0	692,400	6,231,600	0	0	6,924,000
Total EXPENDITURES	51,333	0	0	1,986,057	17,874,510	0	0	19,911,900

South West Union Library

Project Detail

Community Services

Library Expansion and Development

Project Scope

This project provides for the construction, furnishing, and opening day collection for a new 35,000-square-foot full-service regional library to serve the southwest side of the County.

Project Justification and History

One super-regional library to serve the entire southwestern quadrant of the County is part of the Library's master facilities plan and the recommendation of the Library Board of Trustees.

This 35,000-square-foot campus will be a full-service facility with 175 parking spaces; housing 87,500 pieces of material. It will also include public computers and wireless internet access, a community meeting room, a children's library with a story time room, a teen room to house collections and provide space for programs and activities, as well as comfortable seating; newspaper and magazine display shelving, study tables with seating, study rooms, and a conference room.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Capital Reserve Fund	-51,333	0	0	0	0	0	0	-51,333
FY 2017 General Obligation Bonds	0	0	0	-1,293,657	-11,642,910	0	0	-12,936,567
Total REVENUE	-51,333	0	0	-1,293,657	-11,642,910	0	0	-12,987,900
EXPENDITURES								
Construction	0	0	0	0	11,642,910	0	0	11,642,910
Other Activities	51,333	0	0	0	0	0	0	51,333
Preliminary Design & Planning	0	0	0	1,293,657	0	0	0	1,293,657
Total EXPENDITURES	51,333	0	0	1,293,657	11,642,910	0	0	12,987,900
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Union West Regional Library Expansion

Project Detail

Community Services

Library Expansion and Development

Project Scope

Expand the existing Union West Regional Library by approximately 18,000-square-foot.

Project Justification and History

Expansion of the Union West Regional Library to 30,000-square-foot is recommended in the Library Master Facilities Plan to accommodate current and future usage of the branch. Currently, as compared to the Main Library, the Union West Regional Library circulates ten percent more items, and conducts 149 percent more children's programs attended by 154 percent more children.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
<i>REVENUE</i>									
FY 2017 General Obligation Bonds	0	0	0	-692,400	-6,231,600	0	0	0	-6,924,000
Total REVENUE	0	0	0	-692,400	-6,231,600	0	0	0	-6,924,000
<i>EXPENDITURES</i>									
Construction	0	0	0	0	6,231,600	0	0	0	6,231,600
Preliminary Design & Planning	0	0	0	692,400	0	0	0	0	692,400
Total EXPENDITURES	0	0	0	692,400	6,231,600	0	0	0	6,924,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Park Development and Renewal

Program Detail

Program Scope

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

Program Operating Budget Impact

The Park Land Banking will be funded from the issuance of General Obligation Bonds of \$6,500,000 in FY 2017. The maximum annual debt service impact for this program will be \$676,000 and is projected to begin in FY 2018 and retire in FY 2037.

The Cane Creek Park Renovation project has an approximate operating budget impact of \$83,790. The renovations at Cane Creek Park include a Nature Center that is anticipated to attract additional visitors to the park, generating additional revenue. The amount of additional revenue is undetermined at this time. In order to open the renovated facilities at the park one additional full time employee will be needed at a cost of \$54,020, approximate utility cost of \$7,980, and approximate maintenance cost of \$21,790 on an annual basis.

The Parks Comprehensive Master Plan project only provides for a study at this time and the operating impact is undetermined for Future Park Development. The operating cost will become better defined as the projects and operating plans are further developed.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
REVENUE										
FY 2017 General Obligation Bonds	0	0	0	-6,500,000	0	0	0	0	-6,500,000	
General PayGo	-100,000	0	0	0	-800,000	0	0	0	-900,000	
Total REVENUE	-100,000	0	0	-6,500,000	-800,000	0	0	0	-7,400,000	

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
EXPENDITURES										
BW004 Park Land Banking	0	0	0	6,500,000	0	0	0	0	6,500,000	
BW006 Cane Creek Park Renovation Project (Partial)	0	0	0	0	800,000	0	0	0	800,000	
PR066 Parks Comprehensive Master Plan	100,000	0	0	0	0	0	0	0	100,000	
Total EXPENDITURES	100,000	0	0	6,500,000	800,000	0	0	0	7,400,000	

Park Land Banking

Project Detail

Community Services

Park Development and Renewal

Project Scope

Project provides for a land banking program to acquire land to address the future park demands as the County develops.

Project Justification and History

The 2006 Parks and Recreation Comprehensive Master Plan Update recommend an additional “District Park” and the creation of a “School Park” within Union County. This land banking effort is to procure land for these projects.

A district park requires between 200-400 acres of land and a school park requires an additional ten acres (minimal) of land adjacent to a school. Due to the economic downturn, land prices have fallen over the last few years. Obtaining land at this time could save tax dollars. Large tracks of land (200-400 acres) are becoming more difficult to locate.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 General Obligation Bonds	0	0	0	-6,500,000	0	0	0	-6,500,000
Total REVENUE	0	0	0	-6,500,000	0	0	0	-6,500,000
EXPENDITURES								
Land Acquisition	0	0	0	6,500,000	0	0	0	6,500,000
Total EXPENDITURES	0	0	0	6,500,000	0	0	0	6,500,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Cane Creek Park Renovation Project (Partial)

Project Detail

Community Services

Park Development and Renewal

Project Scope

Project provides for the replacement and expansion of various facilities.

Project Justification and History

The Nature Center will be used to provide educational opportunities to visitors of the park (schools, daycares, etc.).

The Campground Welcome Center has been designed but the project was tabled. The Campground Welcome Center will improve customer service during the camping registration process and replace the old, outdated Camp Store that has accessibility issues.

The expansion of the sewer system would add ten new full hook-up sites to the campground. This project will pave the remaining sixty-two campsite drives, making them more accessible and customer friendly.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	0	0	0	0	-800,000	0	0	-800,000
Total REVENUE	0	0	0	0	-800,000	0	0	-800,000
<i>EXPENDITURES</i>								
TBA	0	0	0	0	800,000	0	0	800,000
Total EXPENDITURES	0	0	0	0	800,000	0	0	800,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Parks Comprehensive Master Plan

Project Detail

Community Services

Park Development and Renewal

Project Scope

Complete Comprehensive Master Plan for Union County Parks that will result in a long-term park development program.

Project Justification and History

The last update to Union County’s Parks and Recreation Comprehensive Master Plan was in 2006. The last master plans for Cane Creek Park and Jesse Helms Park were adopted in 2000 and 2004, respectively. Since that time several municipalities have created their own master plans for Parks and Recreation Departments located within the municipality.

It is recommended by State Agencies that master plans be updated every five years when possible. The scope of services for this master plan would be a comprehensive look at the citizen recreational needs within Union County, include an overlay of all proposed municipality master plans, and identification of shortfalls that may be provided by the County. This master plan will eliminate duplicity of effort between the municipalities and the County. Additionally, the scope of services will provide detailed budgetary information for proposed new facilities (in current dollars) based on the latest development costs of actual projects.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGo	-100,000	0	0	0	0	0	0	-100,000
Total REVENUE	-100,000	0	0	0	0	0	0	-100,000
<i>EXPENDITURES</i>								
Studies	100,000	0	0	0	0	0	0	100,000
Total EXPENDITURES	100,000	0	0	0	0	0	0	100,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

South Piedmont Community College

Program Detail

Program Scope

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.

Program Operating Budget Impact

These expenditures primarily represent routine improvements, renovations to existing school facilities, and expansion to SPCC. It is assumed that operating expenses will remain constant with current operating costs for the existing spaces. In cases where efficiencies are made with building renovations, or systems are replaced with those that are more energy-efficient, there may be annual energy savings.

The operating budget impact of the expanded facilities are undetermined at this time. The operating cost will become better defined as the project and operating plans are further developed.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 General Obligation Bonds	0	0	0	-8,426,079	0	0	0	-8,426,079
FY 2018 General Obligation Bonds	0	0	0	0	-22,704,651	0	0	-22,704,651
General PayGO	0	-1,750,000	0	0	0	0	0	-1,750,000
Total REVENUE	0	-1,750,000	0	-8,426,079	-22,704,651	0	0	-32,880,730

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
ED003 SPCC Multi Purpose Building	0	0	0	0	22,704,651	0	0	22,704,651
ED004 SPCC Center For Technology And Allied Health	0	0	0	8,426,079	0	0	0	8,426,079
PR068 SPCC Welding Lab	0	150,000	0	0	0	0	0	150,000
PR069 SPCC Deferred Capital Maintenance	0	1,600,000	0	0	0	0	0	1,600,000

South Piedmont Community College

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
Total EXPENDITURES	0	1,750,000	0	8,426,079	22,704,651	0	0	32,880,730

SPCC Multi Purpose Building

Project Detail

South Piedmont Community College

South Piedmont Community College

Project Scope

Project provides for the construction of a new three-story, 72,500-square-foot “multi-purpose” building on the Monroe Campus to house the business office, student services, and bookstore, as well as providing additional classroom and lab space.

In addition to the new facility the project includes a new parking area and a vehicular circulation route, a “green space” for pedestrian traffic, located in center campus, and renovation of an existing building on the Monroe Campus to accommodate a modern Conference Center and the Union County Public School Early College.

Project Justification and History

South Piedmont Community College is experiencing significant growth. To address the growth SPCC expended \$45,000 to develop a Facilities Master Plan, which was subsequently approved by the North Carolina Community College System and the State Board of Community Colleges.

The Union County Board of Commissioners approved \$800,000 in FY 2008 for design of the multi-purpose facility, which was as completed. Before construction could be bid, the project was terminated by the Board.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
<i>REVENUE</i>										
FY 2018 General Obligation Bonds	0	0	0	0	-22,704,651	0	0	-22,704,651		
Total REVENUE	0	0	0	0	-22,704,651	0	0	-22,704,651		
<i>EXPENDITURES</i>										
Construction	0	0	0	0	22,704,651	0	0	22,704,651		
Total EXPENDITURES	0	0	0	0	22,704,651	0	0	22,704,651		
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0		

SPCC Center For Technology And Allied Health

Project Detail

South Piedmont Community College

South Piedmont Community College

Project Scope

Project provides renovations to a 49,000 square-foot building to accommodate vocational/trades and technological programs as well as health and safety programs that lead to an Associate of Science degree using certificate and diploma programs.

Project Justification and History

South Piedmont Community College is experiencing significant growth. To address the growth SPCC expended \$45,000 to develop a Facilities Master Plan, which was subsequently approved by the North Carolina Community College System and the State Board of Community Colleges.

The renovations of this facility will enhance SPCC's abilities to attract and re-train unemployed workers, and will provide pathways for UCPS students to enter the workforce with vocation training and requisite certificates and diplomas in a variety of fields and subjects.

The Union County Board of Commissioners approved the initial \$3,700,000 purchase and minor renovation of the Bealer Building. The completion of this renovation will alleviate the need for two additional companion buildings for the proposed Multi-Purpose Building (ED003).

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
FY 2017 General Obligation Bonds	0	0	0	-8,426,079	0	0	0	-8,426,079
Total REVENUE	0	0	0	-8,426,079	0	0	0	-8,426,079
<i>EXPENDITURES</i>								
Construction	0	0	0	8,426,079	0	0	0	8,426,079
Total EXPENDITURES	0	0	0	8,426,079	0	0	0	8,426,079
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SPCC Welding Lab

Project Detail

South Piedmont Community College

South Piedmont Community College

Project Scope

Project provides for a welding lab at the SPCC Center for Technology and Health Education.

Project Justification and History

Requested by SPCC and recommended by the Board of County Commissioners.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGO	0	-150,000	0	0	0	0	0	-150,000
Total REVENUE	0	-150,000	0	0	0	0	0	-150,000
<i>EXPENDITURES</i>								
Other Activities	0	150,000	0	0	0	0	0	150,000
Total EXPENDITURES	0	150,000	0	0	0	0	0	150,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SPCC Deferred Capital Maintenance

Project Detail

South Piedmont Community College

South Piedmont Community College

Project Scope

Project provides for ongoing/ deferred capital maintenance needs at SPCC.

Project Justification and History

Requested by SPCC and recommended by the Board of County Commissioners.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
General PayGO	0	-1,600,000	0	0	0	0	0	-1,600,000
Total REVENUE	0	-1,600,000	0	0	0	0	0	-1,600,000
<i>EXPENDITURES</i>								
Other Activities	0	1,600,000	0	0	0	0	0	1,600,000
Total EXPENDITURES	0	1,600,000	0	0	0	0	0	1,600,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Tax Assessment and Administration Software Replacement

Program Detail

Program Scope

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

Program Operating Budget Impact

Upgraded or replacement software for the Tax Assessor's Office will require an annual software maintenance fee. The operating budget impact will become better defined as the project is further developed.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Installment Financing	0	0	0	-2,400,000	0	0	0	-2,400,000
Total REVENUE	0	0	0	-2,400,000	0	0	0	-2,400,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
TX001 Tax Software	0	0	0	2,400,000	0	0	0	2,400,000
Total EXPENDITURES	0	0	0	2,400,000	0	0	0	2,400,000

Tax Software

Project Detail

Tax Administration

Tax Assessment and Administration Software Replacement

Project Scope

Project provides for the needed consulting, software, and hardware to upgrade or replace the County's existing assessment and billing software.

Project Justification and History

The current Manatron System was installed in FY 2002. Since that time there have been numerous functional improvements as well as additional vendors providing the needed software. Because this software bills more than \$150,000,000 annually reliable, accurate software that ensures the accuracy of the assessment and billing process is critical to protect the County.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Installment Financing	0	0	0	-2,400,000	0	0	0	0	-2,400,000
Total REVENUE	0	0	0	-2,400,000	0	0	0	0	-2,400,000
EXPENDITURES									
Other Activities	0	0	0	2,400,000	0	0	0	0	2,400,000
Total EXPENDITURES	0	0	0	2,400,000	0	0	0	0	2,400,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Public Works Capital Program

The six-year Public Works Capital Program (PWCP) is largely based on the Comprehensive Water & Wastewater Master Plan completed and approved by the Board of County Commissioners in December of 2011.

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.

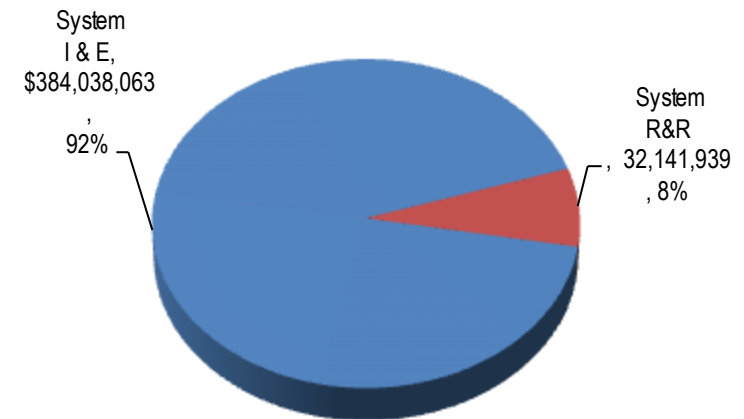
Program Highlights

The adopted Public Works Capital Program consists of twenty programs, made up of sixty-one different projects. 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 water total flow demand is anticipated to grow to 29.7 million gallons daily and wastewater to 14.9 million gallons daily. The adopted \$384,038,063 System I&E Program is necessary to meet these needs and anticipated future demands.

Rehabilitation and renewal programs are the ongoing infrastructure maintenance projects that ensure the sustainability of the existing infrastructure. The \$32,141,939 System R&R program is necessary to provide for the system needs and reflects an average annual investment of \$3.8 million during the six-year plan.

Fiscal Year	System I & E	System R&R	Total
Funded-To-Date	\$ 81,333,613	9,105,639	90,439,252
FY 2014 Adopted	24,934,850	5,409,300	30,344,150
FY 2015 Adopted	31,914,200	3,052,000	34,966,200
FY 2016 Planned	26,711,700	3,584,000	30,295,700
FY 2017 Planned	54,942,700	3,451,000	58,393,700
FY 2018 Planned	120,691,000	3,305,000	123,996,000
FY 2019 Planned	43,510,000	4,235,000	47,745,000
Total	\$ 384,038,063	32,141,939	416,180,002



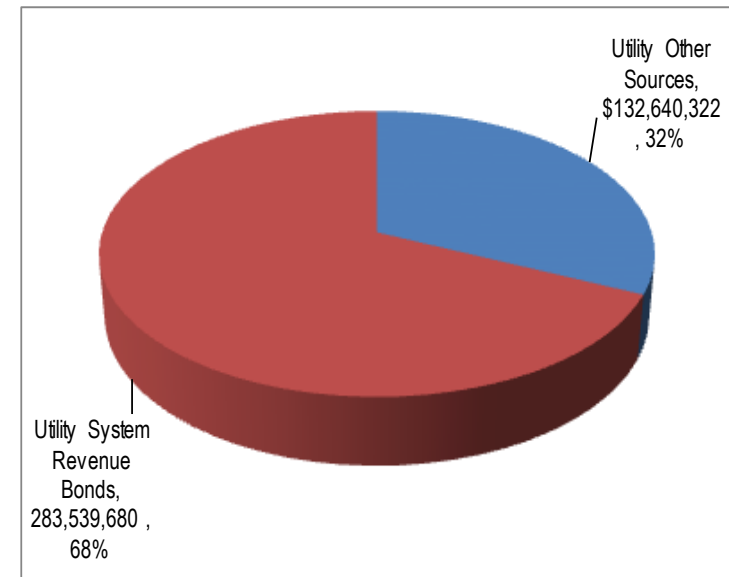
The following chart shows the breakdown of the programs included in the System Improvements and Expansion as well as the System Rehabilitation and Renewal.



PWCP Six-Year Program	Program Total
System Improvements and Expansion Programs	
853 South Zone Improvements	\$ 412,000
853 West Zone Improvements	27,128,000
935 Zone Improvements	418,000
Additional Anson Capacity	4,164,700
Crooked Creek Basin Improvements	24,283,400
CRWTP Improvements	35,760,820
Developer Funded Projects	38,412,000
Eastside Wastewater Improvements	16,047,957
New 880 Pressure Zone	10,900,245
New Lake Twitty Sewer Shed	361,000
Short Line Extensions	4,967,000
Town Center Sewer Development	2,007,440
Twelve Mile Creek WWTP System Improvements	65,518,615
UCPW Buildings and Improvements	10,915,376
Yadkin Water Supply	142,741,510
Total System I & E Programs	\$ 384,038,063
System Rehabilitation and Renewal Programs	
Wastewater Pump Station Improvements	\$ 4,758,000
Wastewater Rehabilitation and Replacement	11,948,960
Water & Wastewater Master Plan	681,000
Water Rehabilitation and Replacement	13,451,979
Water Tank Rehabilitation	1,302,000
Total System R & R Programs	\$ 32,141,939
Total PWCP Six Year Program	\$ 416,180,002

Funding Strategy

Fiscal Year	Utility Other Sources	Utility System Revenue Bonds	Total
Funded-To-Date	\$ 44,390,022	46,049,230	90,439,252
FY 2015 Adopted	25,278,300	5,065,850	30,344,150
FY 2016 Planned	3,788,000	31,178,200	34,966,200
FY 2017 Planned	6,409,000	23,886,700	30,295,700
FY 2018 Planned	4,417,000	53,976,700	58,393,700
FY 2019 Planned	3,896,000	120,100,000	123,996,000
FY 2020 Planned	44,462,000	3,283,000	47,745,000
Total	\$ 132,640,322	283,539,680	416,180,002



The adopted PWCP is funded through several different sources. The primary source of funding, 68 percent will come through the issuance of Utility System Revenue Bonds. The adopted PWCP finance plan includes the issuance of 2015 Revenue Bonds at \$61.2 million, 2017 Revenue Bonds at \$86.5 million, and 2019 Revenue Bonds at \$135.8 million, totaling \$283,539,680 of planned total new debt for the system.



The anticipated new debt will be reflected in the future rate modeling. Based on current projections and estimated debt issuance, the increased debt service by the end of the program will grow to a maximum of \$24.5 million annually.

Public Works Debt Amortization Schedule			
Fiscal Year	Principal	Interest	Total
Current Debt Svc.	\$ 3,901,932	2,209,442	6,111,374
FY 2015 Adopted	3,940,126	2,068,097	6,008,223
FY 2016 Planned	3,968,810	4,986,391	8,955,201
FY 2017 Planned	6,043,231	4,842,888	10,886,119
FY 2018 Planned	6,009,761	8,934,780	14,944,541
FY 2019 Planned	9,057,842	8,700,142	17,757,984
FY 2020 Planned	9,439,984	15,092,188	24,532,172
Total	\$ 42,361,685	46,833,928	89,195,613

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.

In addition to the anticipated new debt, the adopted PWCP includes estimated funding from grants, developer funding, and pay-as-you-go (PayGo) funding from current revenues.

Other Funding Sources	Program Total
Developer Funding	\$ 40,276,654
Grant Funding	1,961,300
Utility PayGo	90,402,368
Total Funding	\$ 132,640,322

The PayGo funding, which comprises 68 percent of the other sources, comes through connection fees from new customers, user fees charged to customers, and capital fund balance.

Pay Go Funding from Water and Sewer Operations	
Fiscal Year	PayGo
Funded-To-Date	\$ 40,564,068
FY 2015 Adopted	25,278,300
FY 2016 Planned	3,788,000
FY 2017 Planned	6,409,000
FY 2018 Planned	4,417,000
FY 2019 Planned	3,896,000
FY 2020 Planned	6,050,000
Total	\$ 90,402,368

The PayGo funding is primarily programmed for the ongoing system rehabilitation and renewal projects. The principled approach, much like debt, is to match the current users of the infrastructure to the current capital needs. Those using the system today, pay for the proactive maintenance.

The anticipated developer funding projects are a result of the newly adopted Union County Line Extension Policy. This funding has a direct relationship to the Developer funded projects, such that the expenditures in the projects are largely driven by the revenues. This project will be amended as needed to reflect actual developer contributions to the program.

The funding of the Water and Wastewater Capital Program will be modified in the future to reflect the capacity of the fund and future rate plans. This funding plan will provide the basis for the revised long-term utility rate plan. During discussions of the rate plan, the scheduling and timing of the new debt, as well as the projects, will be reviewed to ensure the long-term sustainability of the utility while considering affordability and payer mix.

Operating Budget Impact

As discussed in the funding strategy, the primary operating budget impacts will come through additional debt service.

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.

Each Program Detail Report has a complete discussion of the operating budget impact. The following chart shows the summary of the anticipated operating budget impact by service area.



Public Works Capital Program Operating Budget Impact FY 2015-2020

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
System Improvements and Expansion Programs							
853 South Zone Improvements	\$ -	\$ 34,091	\$ 34,091	\$ 34,091	\$ 34,091	\$ 34,091	\$ 170,455
853 West Zone Improvements	-	-	-	2,138,545	2,138,545	2,138,545	6,415,635
935 Zone Improvements	-	-	-	-	-	-	-
Additional Anson Capacity	-	-	-	205,456	205,456	205,456	616,368
Crooked Creek Basin Improvements	-	781,915	781,915	1,690,075	1,690,075	1,690,075	6,634,055
CRWTP Improvements	-	2,387,134	2,387,134	2,387,134	2,387,134	2,387,134	11,935,670
Developer Funded Projects	-	-	-	-	-	-	-
Eastside Wastewater Improvements	-	-	-	-	-	-	-
New 880 Pressure Zone	-	635,796	635,796	635,796	635,796	635,796	3,178,981
New Lake Twitty Sewer Shed	-	-	-	-	-	29,871	29,871
Short Line Extensions	-	-	-	-	-	-	-
Town Center Sewer Development	-	-	-	-	-	-	-
Twelve Mile Creek WWTP System Improvements	-	547,160	547,160	4,211,672	4,211,672	4,211,672	13,729,336
UCPW Buildings and Improvements	-	679,262	679,262	679,262	679,262	679,262	3,396,310
Yadkin Water Supply	-	-	-	241,781	241,781	11,449,593	11,933,155
Total System I & E Programs	-	5,065,358	5,065,358	12,223,812	12,223,812	23,461,495	58,039,835
System Rehabilitation and Renewal Programs							
Wastewater Pump Station Improvements	-	-	-	-	-	-	-
Wastewater Rehabilitation and Replacement	-	-	-	-	-	-	-
Water & Wastewater Master Plan	-	-	-	-	-	-	-
Water Rehabilitation and Replacement	-	-	-	-	-	-	-
Water Tank Rehabilitation	-	-	-	-	-	-	-
Total System R & R Programs	-	-	-	-	-	-	-
Total PWCP Six Year Program	\$ -	\$ 5,065,358	\$ 5,065,358	\$ 12,223,812	\$ 12,223,812	\$ 23,461,495	\$ 58,039,835



Public Works Capital Program

Section Summary

Resource Summary

Summary	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Developer Funded	-1,864,654	0	0	0	0	0	-38,412,000	-40,276,654
FY 2015 Water and Wastewater Rev Bonds	-44,382,430	-5,065,850	-11,768,200	0	0	0	0	-61,216,480
FY 2017 Water and Wastewater Rev Bonds	-1,666,800	0	-18,320,000	-15,486,700	-45,351,700	-2,765,000	-2,922,000	-86,512,200
FY 2019 Water and Wastewater Rev Bonds	0	0	-1,090,000	-8,400,000	-8,625,000	-117,335,000	-361,000	-135,811,000
Grant Funding	-1,961,300	0	0	0	0	0	0	-1,961,300
Utility Pay Go	-40,564,068	-25,278,300	-3,788,000	-6,409,000	-4,417,000	-3,896,000	-6,050,000	-90,402,368
Total REVENUE	-90,439,252	-30,344,150	-34,966,200	-30,295,700	-58,393,700	-123,996,000	-47,745,000	-416,180,002

Programs	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>Public Works</i>								
853 South Zone Improvements	412,000	0	0	0	0	0	0	412,000
853 West Zone Improvements	412,000	1,283,000	15,509,000	795,000	9,129,000	0	0	27,128,000
935 Zone Improvements	0	0	0	27,000	391,000	0	0	418,000
Additional Anson Capacity	600,700	1,493,000	192,000	1,879,000	0	0	0	4,164,700
Crooked Creek Basin Improvements	2,686,950	8,662,850	2,397,200	5,140,700	2,630,700	2,765,000	0	24,283,400
CRWTP Improvements	25,950,820	0	9,810,000	0	0	0	0	35,760,820
Developer Funded Projects	0	0	0	0	0	0	38,412,000	38,412,000
Eastside Wastewater Improvements	8,937,957	5,900,000	0	0	0	0	1,210,000	16,047,957
New 880 Pressure Zone	10,900,245	0	0	0	0	0	0	10,900,245
New Lake Twitty Sewer Shed	0	0	0	0	0	0	361,000	361,000
Short Line Extensions	1,360,000	731,000	545,000	560,000	575,000	591,000	605,000	4,967,000

Public Works Capital Program

Section Summary

Resource Summary

Programs	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>Public Works</i>								
Town Center Sewer Development	2,007,440	0	0	0	0	0	0	2,007,440
Twelve Mile Creek WWTP System Improvements	14,900,615	4,745,000	2,371,000	9,910,000	33,592,000	0	0	65,518,615
UCPW Buildings & Improvements	10,915,376	0	0	0	0	0	0	10,915,376
Wastewater Pump Station Improvements	592,700	1,622,300	327,000	784,000	231,000	354,000	847,000	4,758,000
Wastewater Rehabilitation and Replacement	3,957,960	1,666,000	1,199,000	1,232,000	1,265,000	1,298,000	1,331,000	11,948,960
Water & Wastewater Master Planning	0	318,000	0	0	0	0	363,000	681,000
Water Rehabilitation and Replacement	3,915,979	1,485,000	1,526,000	1,568,000	1,610,000	1,653,000	1,694,000	13,451,979
Water Tank Rehabilitation	639,000	318,000	0	0	345,000	0	0	1,302,000
Yadkin River Water Supply	2,249,510	2,120,000	1,090,000	8,400,000	8,625,000	117,335,000	2,922,000	142,741,510
Total Public Works	90,439,252	30,344,150	34,966,200	30,295,700	58,393,700	123,996,000	47,745,000	416,180,002

853 South Zone Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

The 853 South Zone Improvements program consists of two projects: 853 South Zone Tank and 853 Zone Transmission Main Improvements. Currently there has only been funding appropriated for the land purchase related to the 853 Tank. Design, engineering and construction expenses are not budgeted for in the current planning period window; therefore, it is difficult to determine any operating budget impact at this time. There are no operating budget impacts related to the transmission main as this is all “in the ground” line work.

The 853 South Zone Improvements is funded from the issuance of Revenue Bonds of \$412,000 in FY 2015. The maximum annual debt service impact for this program will be \$34,091 beginning in FY 2016 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2015 Water and Wastewater Rev Bonds	-412,000	0	0	0	0	0	0	-412,000
Total REVENUE	-412,000	0	0	0	0	0	0	-412,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
WT057 853 South Zone Tank	412,000	0	0	0	0	0	0	412,000
Total EXPENDITURES	412,000	0	0	0	0	0	0	412,000

853 South Zone Tank

Project Detail

Public Works

853 South Zone Improvements

Project Scope

Project provides for the construction of a .75 million gallon elevated storage tank and related design, construction, and related improvements.

Project Justification and History

The 2011 Master Plan identified various improvements needed within the 853 South Zone Service Area to increase fire flow and system capacity.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2015 Water and Wastewater Rev Bonds	-412,000	0	0	0	0	0	0	-412,000
Total REVENUE	-412,000	0	0	0	0	0	0	-412,000
EXPENDITURES								
Construction	0	0	0	0	0	0	0	0
Design and Engineering	0	0	0	0	0	0	0	0
Land Acquisition	412,000	0	0	0	0	0	0	412,000
Total EXPENDITURES	412,000	0	0	0	0	0	0	412,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

853 West Zone Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

The 853 West Zone Improvements program consists of two projects: Indian Trail Additional Tank #1 & Watkins BPS Improvements and 853 West Zone Transmission Main. The new tank should have some minor operating costs (less than \$2,000 per year) related to utilities and inspections. There will also be more significant expenses related to repainting the tank every 8 to 15 years. There are no operating budget impacts related to the transmission main as this is all "in the ground" line work.

The 853 West Zone Improvements is funded from the issuance of Revenue Bonds of \$25,845,000 in FY 2017. The maximum annual debt service impact for this program will be \$2,138,545 beginning in FY 2018 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 Water and Wastewater Rev Bonds	-412,000	0	-15,509,000	-795,000	-9,129,000	0	0	-25,845,000
Utility Pay Go	0	-1,283,000	0	0	0	0	0	-1,283,000
Total REVENUE	-412,000	-1,283,000	-15,509,000	-795,000	-9,129,000	0	0	-27,128,000

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
WT060 IT Additional Tank 1/Watkins BPS Improvements	412,000	0	0	381,000	4,148,000	0	0	4,941,000
WT061 853 West Zone Transmission Main	0	1,283,000	15,509,000	414,000	4,981,000	0	0	22,187,000
Total EXPENDITURES	412,000	1,283,000	15,509,000	795,000	9,129,000	0	0	27,128,000

IT Additional Tank 1/Watkins BPS Improvements

Project Detail

Public Works

853 West Zone Improvements

Project Scope

Project provides for the Indian Trail Additional Tank #1 - 1.25 to 2.0 MGD Elevated Storage, Watkins Booster Pump Station Pump Modifications - Modify Pumps with new impellers, and other necessary improvements.

Project Justification and History

The 2011 Master Plan identified various improvements needed within the 853 West Zone Service Area to increase fire flow and system capacity. Included in these improvements is the construction of a new 1.25 MG to 2.0 MG elevated Storage Tank to be located in the Town of Indian Trail.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2017 Water and Wastewater Rev Bonds	-412,000	0	0	-381,000	-4,148,000	0	0	0	-4,941,000
Total REVENUE	-412,000	0	0	-381,000	-4,148,000	0	0	0	-4,941,000
EXPENDITURES									
Construction	0	0	0	0	4,148,000	0	0	0	4,148,000
Design and Engineering	0	0	0	381,000	0	0	0	0	381,000
Land Acquisition	412,000	0	0	0	0	0	0	0	412,000
Total EXPENDITURES	412,000	0	0	381,000	4,148,000	0	0	0	4,941,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

853 West Zone Transmission Main

Project Detail

Public Works

853 West Zone Improvements

Project Scope

Project provides for the installation of the 853 West Zone Transmission Main - 14,000 LF of 36" Main; 853 West Zone Transmission Main - 18,000 LF of 16" Main; 853 West Zone Transmission Main - 27,000 LF of 16" Main; 853 West Zone Transmission Main - 17,000 LF of 16" Main; 853 West Zone Transmission Main - 9,000 LF of 16" Main; and other necessary improvements.

Project Justification and History

The 2011 Master Plan identified various improvements needed within the 853 West Zone Service Area to increase system hydraulics and capacity. Included in these improvements are modifications to the Watkins Booster Pump Station Pump Modifications and installation of 14,000 LF of 36" main and 71,000 LF of 16" main to improve distribution within the Service Area.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 Water and Wastewater Rev Bonds	0	0	-15,509,000	-414,000	-4,981,000	0	0	-20,904,000
Utility Pay Go	0	-1,283,000	0	0	0	0	0	-1,283,000
Total REVENUE	0	-1,283,000	-15,509,000	-414,000	-4,981,000	0	0	-22,187,000
EXPENDITURES								
Construction	0	0	15,509,000	0	4,981,000	0	0	20,490,000
Design and Engineering	0	1,283,000	0	414,000	0	0	0	1,697,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	1,283,000	15,509,000	414,000	4,981,000	0	0	22,187,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

935 Zone Improvements

Program Detail

Program Scope

Program provides for system improvements as outlined in detail in the Comprehensive Water & Wastewater Master Plan. These improvements include the installation booster pumping station, storage tanks, and other necessary improvements to provides sufficient water supply and fire flow in the area.

Program Operating Budget Impact

The New Stallings BPS Expansion will have a minor operating budget impact mostly related to a small increase in utility costs.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	0	0	0	-27,000	-391,000	0	0	-418,000
Total REVENUE	0	0	0	-27,000	-391,000	0	0	-418,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
UT008 New Stallings BPS Expansion	0	0	0	27,000	391,000	0	0	418,000
Total EXPENDITURES	0	0	0	27,000	391,000	0	0	418,000

New Stallings BPS Expansion

Project Detail

Public Works

935 Zone Improvements

Project Scope

Project provides for the expansion of the existing Stalling Booster Pumping Station from 1.0 MGD to 2.1 MGD and related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified the need to expand the 935 Zone due to projected low system pressures. With the expansion of this service zone additional pumping capacity will be required.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	0	0	0	-27,000	-391,000	0	0	-418,000
Total REVENUE	0	0	0	-27,000	-391,000	0	0	-418,000
EXPENDITURES								
Construction	0	0	0	0	391,000	0	0	391,000
Design and Engineering	0	0	0	27,000	0	0	0	27,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	0	0	27,000	391,000	0	0	418,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Additional Anson Capacity

Program Detail

Program Scope

Program provides for the various improvements will be needed within the Anson County Service Area to increase the system capacity and to improve system hydraulics. These projects include transmission main improvements, upgrades to existing Water Booster Pumping Stations, new elevated storage tank in Marshville and other necessary improvements.

Program Operating Budget Impact

The project within the Additional Anson Capacity program that will have the most significant operating budget impact is the construction of the New Additional Marshville Tank. The new tank should have some minor operating costs (less than \$2,000 per year) related to utilities and inspections. There will also be more significant expenses related to repainting the tank every 8 to 15 years. There are no operating budget impacts related to other projects in this program as they are all “in the ground” line work.

The Additional Anson Capacity program is funded from the issuance of Revenue Bonds of \$2,483,000 in FY 2017. The maximum annual debt service impact for this program will be \$205,456 beginning in FY 2018 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 Water and Wastewater Rev Bonds	-412,000	0	-192,000	-1,879,000	0	0	0	-2,483,000
Utility Pay Go	-188,700	-1,493,000	0	0	0	0	0	-1,681,700
Total REVENUE	-600,700	-1,493,000	-192,000	-1,879,000	0	0	0	-4,164,700

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
MW015 762 Zone Transmission Main (Bypass)	188,700	1,493,000	0	0	0	0	0	1,681,700
WT059 New Additional Marshville Tank	412,000	0	192,000	1,879,000	0	0	0	2,483,000
Total EXPENDITURES	600,700	1,493,000	192,000	1,879,000	0	0	0	4,164,700

762 Zone Transmission Main (Bypass)

Project Detail

Public Works

Additional Anson Capacity

Project Scope

Project provides for increased Anson County system capacity by making improvements to system hydraulics including but not limited to the installation of additional transmission mains and other necessary improvements.

Project Justification and History

Contingent on a new 6.0 MGD water supply contract from Anson County, various improvements will be needed within the Anson County Service Area to increase system capacity and improve system hydraulics. To hydraulically provide the 6 MGD, installation of 8,000 LF of a 16-inch Transmission Main will be necessary.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Utility Pay Go	-188,700	-1,493,000	0	0	0	0	0	-1,681,700
Total REVENUE	-188,700	-1,493,000	0	0	0	0	0	-1,681,700
<i>EXPENDITURES</i>								
Construction	0	1,482,000	0	0	0	0	0	1,482,000
Design and Engineering	188,700	11,000	0	0	0	0	0	199,700
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	188,700	1,493,000	0	0	0	0	0	1,681,700
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

New Additional Marshville Tank

Project Detail

Public Works

Additional Anson Capacity

Project Scope

Project provides for improvements within the Anson County Service Area including 1.0 MG Elevated Storage Tank and other necessary improvements.

Project Justification and History

Contingent on a new 6.0 MGD water supply contract from Anson County, various improvements will be needed within the Anson County Service Area to increase system capacity and improve system hydraulics. A new 1.0 MG Elevated Storage Tank will be required in the Marshville Area to provide water pressure and storage.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2017 Water and Wastewater Rev Bonds	-412,000	0	-192,000	-1,879,000	0	0	0	0	-2,483,000
Total REVENUE	-412,000	0	-192,000	-1,879,000	0	0	0	0	-2,483,000
EXPENDITURES									
Construction	0	0	0	1,879,000	0	0	0	0	1,879,000
Design and Engineering	0	0	192,000	0	0	0	0	0	192,000
Land Acquisition	412,000	0	0	0	0	0	0	0	412,000
Total EXPENDITURES	412,000	0	192,000	1,879,000	0	0	0	0	2,483,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Crooked Creek Basin Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

The projects within the Crooked Creek Basin Improvements program will have some marginal operating budget impacts. We could expect to see an increase in costs related to utilities, chemicals and bio-solids removal. Until the preliminary design and engineering studies are complete it is difficult to quantify what those impacts might be. The costs will be influenced by what technology and processes are established during the design phase.

The Crooked Creek Basin Improvement program is primarily funded from the issuance of Revenue Bonds of \$20,425,100. One issuance will take place in FY 2015, in the amount of \$9,449,700, with a maximum annual debt service impact of \$781,915 beginning in FY 2016. The remaining issuance will be in FY 2017 for \$10,975,400, with a maximum debt service impact of \$908,160 beginning in FY 2018, and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2015 Water and Wastewater Rev Bonds	-2,425,650	-5,065,850	-1,958,200	0	0	0	0	-9,449,700
FY 2017 Water and Wastewater Rev Bonds	0	0	-439,000	-5,140,700	-2,630,700	-2,765,000	0	-10,975,400
Utility Pay Go	-261,300	-3,597,000	0	0	0	0	0	-3,858,300
Total REVENUE	-2,686,950	-8,662,850	-2,397,200	-5,140,700	-2,630,700	-2,765,000	0	-24,283,400

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
SP017 CC Headworks Improvements	659,200	8,246,800	0	0	0	0	0	8,906,000
SW029 CC I&I Study & Remediation	1,770,250	416,050	0	0	0	0	0	2,186,300
SW030 CC Interceptor Improvements Ph I	257,500	0	1,958,200	0	0	0	0	2,215,700
UT001 Crooked Creek Interceptor Imp Ph 2	0	0	0	2,215,700	0	0	0	2,215,700

Crooked Creek Basin Improvements

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
UT002 Crooked Creek Interceptor Imp Ph 3	0	0	0	0	2,215,700	0	0	2,215,700
UT003 Forest Park PS Replacement & Interceptor Imp	0	0	439,000	2,925,000	0	0	0	3,364,000
UT004 Crooked Creek Interceptor Imp Ph 4	0	0	0	0	415,000	2,765,000	0	3,180,000
Total EXPENDITURES	2,686,950	8,662,850	2,397,200	5,140,700	2,630,700	2,765,000	0	24,283,400

CC Headworks Improvements

Project Detail

Public Works

Crooked Creek Basin Improvements

Project Scope

Project provides for Crooked Creek Headwork Improvements consisting of 8 MGD influent pumping and screening, 1 MG equalization basin, 1,200 ft of 15-in replacement gravity sewer, 1,500 ft of 16-in replacement force main, and related improvements.

Project Justification and History

An Inflow and Infiltration Study and remediation of the Crooked Creek Basin will be performed resulting in specific recommendations for reducing the I & I. To reduce the inflow and infiltration causing surcharging going into the CCWWTP four projects have been recommended at the headworks of the plant: An 8 MGD Influent Pumping and Screening facility, 1 MGD Equalization Basin, replacement of 1,200 LF of 15" Gravity Sewer and 1,500 LF of 16" Gravity Sewer.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2015 Water and Wastewater Rev Bonds	-659,200	-4,649,800	0	0	0	0	0	0	-5,309,000
Utility Pay Go	0	-3,597,000	0	0	0	0	0	0	-3,597,000
Total REVENUE	-659,200	-8,246,800	0	0	0	0	0	0	-8,906,000
EXPENDITURES									
Construction	0	8,246,800	0	0	0	0	0	0	8,246,800
Design and Engineering	659,200	0	0	0	0	0	0	0	659,200
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	659,200	8,246,800	0	0	0	0	0	0	8,906,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

CC I&I Study & Remediation

Project Detail

Public Works

Crooked Creek Basin Improvements

Project Scope

Project provides for the Inflow and Infiltration Study and remediation of the Crooked Creek Basin.

Project Justification and History

This project constitutes one of six subprojects included in the Crooked Creek Basin Improvements. An Inflow and Infiltration Study and remediation of the Crooked Creek Basin will be performed resulting in specific recommendations for reducing the I & I. These recommendations may include, but not limited to, pipe replacement, trenchless rehabilitation, manhole lining, pipe bursting, etc.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2015 Water and Wastewater Rev Bonds	-1,508,950	-416,050	0	0	0	0	0	0	-1,925,000
Utility Pay Go	-261,300	0	0	0	0	0	0	0	-261,300
Total REVENUE	-1,770,250	-416,050	0	0	0	0	0	0	-2,186,300
EXPENDITURES									
Construction	1,508,950	416,050	0	0	0	0	0	0	1,925,000
Design and Engineering	261,300	0	0	0	0	0	0	0	261,300
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	1,770,250	416,050	0	0	0	0	0	0	2,186,300
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

CC Interceptor Improvements Ph I

Project Detail

Public Works

Crooked Creek Basin Improvements

Project Scope

Project provides for 13,400 LF of comprehensive sewer rehabilitation and related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan recommended various interceptor improvements within the Crooked Creek Basin. These improvements will reduce inflow and infiltration, and provide additional capacity for current and future wet weather flows.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
REVENUE										
FY 2015 Water and Wastewater Rev Bonds	-257,500	0	-1,958,200	0	0	0	0	0	-2,215,700	
Total REVENUE	-257,500	0	-1,958,200	0	0	0	0	0	-2,215,700	
EXPENDITURES										
Construction	0	0	1,958,200	0	0	0	0	0	1,958,200	
Design and Engineering	257,500	0	0	0	0	0	0	0	257,500	
Land Acquisition	0	0	0	0	0	0	0	0	0	
Total EXPENDITURES	257,500	0	1,958,200	0	0	0	0	0	2,215,700	
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0	

Crooked Creek Interceptor Imp Ph 2

Project Detail

Public Works

Crooked Creek Basin Improvements

Project Scope

Project provides approximately 13,400 LF of comprehensive sewer rehabilitation and related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified various interceptor improvements within the Crooked Creek Basin. These improvements will reduce Inflow and infiltration and provide additional capacity for current and future wet weather flows.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2017 Water and Wastewater Rev Bonds	0	0	0	-2,215,700	0	0	0	0	-2,215,700
Total REVENUE	0	0	0	-2,215,700	0	0	0	0	-2,215,700
EXPENDITURES									
Construction	0	0	0	1,926,700	0	0	0	0	1,926,700
Design and Engineering	0	0	0	289,000	0	0	0	0	289,000
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	0	0	2,215,700	0	0	0	0	2,215,700
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Crooked Creek Interceptor Imp Ph 3

Project Detail

Public Works

Crooked Creek Basin Improvements

Project Scope

Project provides approximately 13,400 LF of comprehensive sewer rehabilitation and related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified various interceptor improvements within the Crooked Creek Basin. These improvements will reduce Inflow and infiltration and provide additional capacity for current and future wet weather flows.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2017 Water and Wastewater Rev Bonds	0	0	0	0	-2,215,700	0	0	0	-2,215,700
Total REVENUE	0	0	0	0	-2,215,700	0	0	0	-2,215,700
EXPENDITURES									
Construction	0	0	0	0	1,926,700	0	0	0	1,926,700
Design and Engineering	0	0	0	0	289,000	0	0	0	289,000
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	0	0	0	2,215,700	0	0	0	2,215,700
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Forest Park PS Replacement & Interceptor Imp

Project Detail

Public Works

Crooked Creek Basin Improvements

Project Scope

Project provides for the replacement of the Forest Park Pump Station with a new 3 MGD pumps, including 7,900 LF of 12" forcemain, and replacement of approximately 14,000 LF of 12" and 400 LF of 15" of Gravity Sewer line along a South Tributary to Crooked Creek and other related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified various interceptor improvements within the Crooked Creek Basin. These improvements will reduce Inflow and infiltration and provide additional capacity for current and future wet weather flows.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
REVENUE										
FY 2017 Water and Wastewater Rev Bonds	0	0	-439,000	-2,925,000	0	0	0	0	-3,364,000	
Total REVENUE	0	0	-439,000	-2,925,000	0	0	0	0	-3,364,000	
EXPENDITURES										
Construction	0	0	0	2,925,000	0	0	0	0	2,925,000	
Design and Engineering	0	0	439,000	0	0	0	0	0	439,000	
Land Acquisition	0	0	0	0	0	0	0	0	0	
Total EXPENDITURES	0	0	439,000	2,925,000	0	0	0	0	3,364,000	
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0	

Crooked Creek Interceptor Imp Ph 4

Project Detail

Public Works

Crooked Creek Basin Improvements

Project Scope

Project provides for the replacement of 1,500 LF of 27" line, 5,800 LF of 13" line, 1,700 LF of 15" replacement gravity sewer line along the North Fork of Crooked Creek, and related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified various interceptor improvements within the Crooked Creek Basin. These improvements will reduce Inflow and infiltration and provide additional capacity for current and future wet weather flows.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2017 Water and Wastewater Rev Bonds	0	0	0	0	-415,000	-2,765,000	0	-3,180,000	
Total REVENUE	0	0	0	0	-415,000	-2,765,000	0	-3,180,000	
EXPENDITURES									
Construction	0	0	0	0	0	2,765,000	0	2,765,000	
Design and Engineering	0	0	0	0	415,000	0	0	415,000	
Total EXPENDITURES	0	0	0	0	415,000	2,765,000	0	3,180,000	
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	

CRWTP Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

The CRWTP Improvement program is primarily funded from the issuance of Revenue Bonds of \$28,849,280 in FY 2015. The maximum annual debt service for this program will be \$2,387,134 and is projected to begin in FY 2016 and retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Developer Funded	-1,829,829	0	0	0	0	0	0	-1,829,829
FY 2015 Water and Wastewater Rev Bonds	-19,039,280	0	-9,810,000	0	0	0	0	-28,849,280
Utility Pay Go	-5,081,711	0	0	0	0	0	0	-5,081,711
Total REVENUE	-25,950,820	0	-9,810,000	0	0	0	0	-35,760,820
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
WP003 CRWTP Reservoir Expansion	20,687,780	0	0	0	0	0	0	20,687,780
WP004 CRWTP Plant Expansion	4,336,040	0	0	0	0	0	0	4,336,040
WP007 CRWTP (Plant) Expansion	927,000	0	9,810,000	0	0	0	0	10,737,000
Total EXPENDITURES	25,950,820	0	9,810,000	0	0	0	0	35,760,820

CRWTP Reservoir Expansion

Project Detail

Public Works

CRWTP Improvements

Project Scope

Project provides for Environmental Mitigation for new 1 BG raw water reservoir at Catawba Raw Water Treatment Plant and subsequent design and construction of 1 BG raw water reservoir.

Project Justification and History

CRWTP Improvements are needed to increase the capacity of the existing plant to meet future population demands based on current growth projections. In order to reduce withdrawals from the Catawba River during low flow conditions a new 1 BGD raw water reservoir is proposed.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Developer Funded	-1,829,829	0	0	0	0	0	0	0	-1,829,829
FY 2015 Water and Wastewater Rev Bonds	-14,558,780	0	0	0	0	0	0	0	-14,558,780
Utility Pay Go	-4,299,171	0	0	0	0	0	0	0	-4,299,171
Total REVENUE	-20,687,780	0	0	0	0	0	0	0	-20,687,780
EXPENDITURES									
Construction	14,317,000	0	0	0	0	0	0	0	14,317,000
Design and Engineering	3,765,500	0	0	0	0	0	0	0	3,765,500
Land Acquisition	181,280	0	0	0	0	0	0	0	181,280
Other Activities	2,424,000	0	0	0	0	0	0	0	2,424,000
Total EXPENDITURES	20,687,780	0	0	0	0	0	0	0	20,687,780
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

CRWTP Plant Expansion

Project Detail

Public Works

CRWTP Improvements

Project Scope

Project provides a series of redundancy and reliability improvements to the existing water treatment facility to meet the needs of its existing customer base. These improvements include a new raw water transmission/bypass main, expansion of the residuals handling facility, installation of approximately 1,000 LF of effluent discharge line and improvements to the existing finished water pumping station.

Project Justification and History

CRWTP Improvements are needed to increase the capacity of the existing plant to meet future population demands based on current growth projections. These improvements include process improvements to improve water quality at CRWTP.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
REVENUE										
FY 2015 Water and Wastewater Rev Bonds	-3,553,500	0	0	0	0	0	0	0	0	-3,553,500
Utility Pay Go	-782,540	0	0	0	0	0	0	0	0	-782,540
Total REVENUE	-4,336,040	0	0	0	0	0	0	0	0	-4,336,040
EXPENDITURES										
Construction	3,378,400	0	0	0	0	0	0	0	0	3,378,400
Design and Engineering	957,640	0	0	0	0	0	0	0	0	957,640
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	4,336,040	0	0	0	0	0	0	0	0	4,336,040
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0	0

CRWTP (Plant) Expansion

Project Detail

Public Works

CRWTP Improvements

Project Scope

Project provides a 9.0 MGD expansion of the CRWTP and expand the County's allocation at the facility from 18 MGD to 27 MGD. The project consists of new treatment trains and chemical storage and feed facilities.

Project Justification and History

CRWTP Improvements are needed to increase the capacity of the existing plant to meet future population demands based on current growth projections. One of the needed improvements is to increase the capacity by 9MGD to bring the total treatment capacity to 27mgd.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2015 Water and Wastewater Rev Bonds	-927,000	0	-9,810,000	0	0	0	0	0	-10,737,000
Total REVENUE	-927,000	0	-9,810,000	0	0	0	0	0	-10,737,000
EXPENDITURES									
Construction	0	0	9,810,000	0	0	0	0	0	9,810,000
Design and Engineering	927,000	0	0	0	0	0	0	0	927,000
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	927,000	0	9,810,000	0	0	0	0	0	10,737,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Developer Funded Projects

Program Detail

Program Scope

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.

Program Operating Budget Impact

There are no operating budget impacts related to this program as the projects are all "in the ground" line work.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Developer Funded	0	0	0	0	0	0	0	-38,412,000	-38,412,000
Total REVENUE	0	0	0	0	0	0	0	-38,412,000	-38,412,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
EXPENDITURES									
UT005 Developer Funded Projects	0	0	0	0	0	0	0	38,412,000	38,412,000
Total EXPENDITURES	0	0	0	0	0	0	0	38,412,000	38,412,000

Developer Funded Projects

Project Detail

Public Works

Developer Funded Projects

Project Scope

Project provides for new infrastructure for developer funded projects

Project Justification and History

The Comprehensive Master Plan identified 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 Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Developer Funded	0	0	0	0	0	0	0	-38,412,000	-38,412,000
Total REVENUE	0	0	0	0	0	0	0	-38,412,000	-38,412,000
EXPENDITURES									
Developer Funded	0	0	0	0	0	0	0	38,412,000	38,412,000
Total EXPENDITURES	0	0	0	0	0	0	0	38,412,000	38,412,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Eastside Wastewater Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

It is anticipated to see a small decline in utilities related to the Rays Fork Interceptor project. We expect no operating impact related to the East Side Improvements program. The City of Monroe WWTP Expansion program is so far out in the planning years that the effects on the operating budget cannot be determined at this time.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2015 Water and Wastewater Rev Bonds	0	0	0	0	0	0	0	0
Grant Funding	-1,961,300	0	0	0	0	0	0	-1,961,300
Utility Pay Go	-6,976,657	-5,900,000	0	0	0	0	-1,210,000	-14,086,657
Total REVENUE	-8,937,957	-5,900,000	0	0	0	0	-1,210,000	-16,047,957

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
SE002 East Side Improvements	8,657,957	0	0	0	0	0	0	8,657,957
SE003 Rays Fork Interceptor	280,000	5,900,000	0	0	0	0	0	6,180,000
UT006 City Of Monroe WWTP Expansion	0	0	0	0	0	0	1,210,000	1,210,000
Total EXPENDITURES	8,937,957	5,900,000	0	0	0	0	1,210,000	16,047,957

East Side Improvements

Project Detail

Public Works

Eastside Wastewater Improvements

Project Scope

Project provides for East Side Sewer Improvements including upgrades to all three Pump Stations and construction of approximately 14,300 LF of 24-inch and 9,000 LF of 18-inch force main that will convey the purchased capacity of 2.65 MGD to the City of Monroe Waste Water Treatment Plant and other necessary improvements.

Project Justification and History

Active Project to reduce Inflow and Infiltration in the Eastside Sewer Service Area. Consists of replacing Eastside Pump Stations 1, 2 and 3 and the force main servicing the pump stations.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Grant Funding	-1,961,300	0	0	0	0	0	0	-1,961,300
Utility Pay Go	-6,696,657	0	0	0	0	0	0	-6,696,657
Total REVENUE	-8,657,957	0	0	0	0	0	0	-8,657,957
EXPENDITURES								
Construction	7,246,374	0	0	0	0	0	0	7,246,374
Design and Engineering	1,331,404	0	0	0	0	0	0	1,331,404
Other Activities	80,000	0	0	0	0	0	0	80,000
Other Activities	179	0	0	0	0	0	0	179
Total EXPENDITURES	8,657,957	0	0	0	0	0	0	8,657,957
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Rays Fork Interceptor

Project Detail

Public Works

Eastside Wastewater Improvements

Project Scope

Project provides for the installation of: 12,600 LF of 12" sewer main, 6,100 LF of 15" sewer main, and other needed improvements.

Project Justification and History

This project will provide an improvement to the wastewater system located within the Eastside Service Area. Two existing Pump Stations maintained by UCPW will be abandoned and a new service area will become available.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2015 Water and Wastewater Rev Bonds	0	0	0	0	0	0	0	0
Utility Pay Go	-280,000	-5,900,000	0	0	0	0	0	-6,180,000
Total REVENUE	-280,000	-5,900,000	0	0	0	0	0	-6,180,000
EXPENDITURES								
Construction	0	5,500,000	0	0	0	0	0	5,500,000
Design and Engineering	280,000	400,000	0	0	0	0	0	680,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	280,000	5,900,000	0	0	0	0	0	6,180,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

City Of Monroe WWTP Expansion

Project Detail

Public Works

Eastside Wastewater Improvements

Project Scope

Project provides an equitable partnership with the City of Monroe in order to provide an additional 3.0 MGD of wastewater capacity for the Eastside, Lake Twitty, Lake Lee and Richardson Creek Sewer Basins within Union County.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified the need for an additional 3.0 MGD of capacity from the City of Monroe as a result of the Development anticipated with the Monroe Bypass.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Utility Pay Go	0	0	0	0	0	0	0	-1,210,000	-1,210,000
Total REVENUE	0	0	0	0	0	0	0	-1,210,000	-1,210,000
EXPENDITURES									
Construction	0	0	0	0	0	0	0	0	0
Design and Engineering	0	0	0	0	0	0	0	1,210,000	1,210,000
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	0	0	0	0	0	0	1,210,000	1,210,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

New 880 Pressure Zone

Program Detail

Program Scope

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.

Program Operating Budget Impact

The New 880 Pressure Zone program consists of two projects: Weddington Elevated Storage Tank and 880 Pressure Zone Pump Station. The new tank should have some minor operating costs (less than \$2,000 per year) related to utilities and inspections. There will also be more significant expenses related to repainting the tank every 8 to 15 years. The composite base on this specific tank will decrease the amount of painting expense. We would expected to see additional utility expense associated with the 880 Pressure Zone Pump Station but we would in turn see utility costs decrease with the decommission of the Waxhaw-Marvin Tank once the projects in this program are complete.

The New 880 Pressure Zone program is primarily funded from the issuance of Revenue Bonds of \$7,683,800 in FY 2015. The maximum annual debt service for this program will be \$635,796 and is projected to begin in FY 2016 and retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2015 Water and Wastewater Rev Bonds	-7,683,800	0	0	0	0	0	0	0	-7,683,800
Utility Pay Go	-3,216,445	0	0	0	0	0	0	0	-3,216,445
Total REVENUE	-10,900,245	0	0	0	0	0	0	0	-10,900,245

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
EXPENDITURES									
WT044 Weddington Elevated Storage Tank	5,774,045	0	0	0	0	0	0	0	5,774,045
WT053 Development Of 880 Pressure Zone	5,126,200	0	0	0	0	0	0	0	5,126,200
Total EXPENDITURES	10,900,245	0	0	0	0	0	0	0	10,900,245

Weddington Elevated Storage Tank

Project Detail

Public Works

New 880 Pressure Zone

Project Scope

Project provides for 1.5 MG Elevated Storage Tank including land acquisition and other related cost.

Project Justification and History

The new elevated storage tank in Weddington is needed to improve water pressure for UCPW customers on the western side of the city. This project will help establish the 880 Pressure Zone which will create a new pressure zone for all customers in high elevations of the current 853 West Zone.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2015 Water and Wastewater Rev Bonds	-3,007,600	0	0	0	0	0	0	-3,007,600
Utility Pay Go	-2,766,445	0	0	0	0	0	0	-2,766,445
Total REVENUE	-5,774,045	0	0	0	0	0	0	-5,774,045
EXPENDITURES								
Construction	4,725,000	0	0	0	0	0	0	4,725,000
Design and Engineering	624,998	0	0	0	0	0	0	624,998
Land Acquisition	415,900	0	0	0	0	0	0	415,900
Other Activities	8,147	0	0	0	0	0	0	8,147
Total EXPENDITURES	5,774,045	0	0	0	0	0	0	5,774,045
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Development Of 880 Pressure Zone

Project Detail

Public Works

New 880 Pressure Zone

Project Scope

Project provides for improvements to 880 Zone BPS - 6.4 MGD Booster Pump Station including land acquisition, 853 South/762 PRV to supply 762 zone (emergencies), 880/853 West PRV's to supply 853 zone (emergencies), 880/821 Check Valve to supply 880 zone (emergencies), 853 West/821 PRV to supply 821 zone (emergencies)
 Waxhaw-Marvin BPS abandonment

Project Justification and History

This project will create a new pressure zone for the high elevation customers in the north-west portion of the 853 West Zone which currently experiences low and inconsistent water pressure. There is also limited available effective storage for the Indian Trail and Stallings Tanks which serve the 853 Zone. Projects required to develop the 880 Pressure Zone will include construction of a new 6.4 MGD Booster Pump Station, installation of several new pressure reducing valves and the decommissioning of the existing Waxhaw-Marvin Booster Pumping Station.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
FY 2015 Water and Wastewater Rev Bonds	-4,676,200	0	0	0	0	0	0	-4,676,200
Utility Pay Go	-450,000	0	0	0	0	0	0	-450,000
Total REVENUE	-5,126,200	0	0	0	0	0	0	-5,126,200
<i>EXPENDITURES</i>								
Construction	4,264,200	0	0	0	0	0	0	4,264,200
Design and Engineering	450,000	0	0	0	0	0	0	450,000
Land Acquisition	412,000	0	0	0	0	0	0	412,000
Total EXPENDITURES	5,126,200	0	0	0	0	0	0	5,126,200
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

New Lake Twitty Sewer Shed

Program Detail

Program Scope

Program provides for the creation of the Lake Twitty Sewer Shed to provide sewer service for potential customers residing in the Lake Twitty Basin. Projects required to institute the new sewer shed include construction of a new Pump Station, force main, large diameter sewer interceptors, and other necessary improvements.

Program Operating Budget Impact

The development of the Lake Twitty Sewer Shed is in the last planning year of our proposed budget. It is difficult to determine exact impacts to the operating budget at this time, but we expect some costs associated with utilities and additional sewer flow to Monroe.

The New Lake Twitty Sewer Shed program is funded from the issuance of Revenue Bonds of \$361,000 in FY 2019. The need to issue revenue bonds for this program will for future CIP plans past FY 2020. The maximum annual debt service impact for this program will be \$29,871 and is projected to begin in FY 2020 and retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2019 Water and Wastewater Rev Bonds	0	0	0	0	0	0	0	-361,000	-361,000
Total REVENUE	0	0	0	0	0	0	0	-361,000	-361,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
EXPENDITURES									
UT007 Development Of Lake Twitty Sewer Shed	0	0	0	0	0	0	0	361,000	361,000
Total EXPENDITURES	0	0	0	0	0	0	0	361,000	361,000

Development Of Lake Twitty Sewer Shed

Project Detail

Public Works

New Lake Twitty Sewer Shed

Project Scope

Project provides approximately 5,400 LF of 12" Gravity Sewer line along East Fork, 12,700 LF of 12" and 3,300 LF of 15" Gravity Sewer line along Stumplick Branch. In addition a new 3.2 MGD Pump Station and 6,800 LF of 12" force main will be required to send flow to the City of Monroe WWTP and other related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified the need for providing a new Sewer Service area for new Commercial development expected in the immediate vicinity of the Monroe Bypass.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2019 Water and Wastewater Rev Bonds	0	0	0	0	0	0	0	-361,000	-361,000
Total REVENUE	0	0	0	0	0	0	0	-361,000	-361,000
EXPENDITURES									
Construction	0	0	0	0	0	0	0	0	0
Design and Engineering	0	0	0	0	0	0	0	361,000	361,000
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	0	0	0	0	0	0	361,000	361,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Short Line Extensions

Program Detail

Program Scope

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.

Program Operating Budget Impact

There are no operating budget impacts related to this program as the projects are all “in the ground” line work.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Developer Funded	-34,825	0	0	0	0	0	0	-34,825
Utility Pay Go	-1,325,175	-731,000	-545,000	-560,000	-575,000	-591,000	-605,000	-4,932,175
Total REVENUE	-1,360,000	-731,000	-545,000	-560,000	-575,000	-591,000	-605,000	-4,967,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
MW017 Short Line Extensions Water	1,260,000	531,000	545,000	560,000	575,000	591,000	605,000	4,667,000
MW022 Short Line Extensions To County Facilities	100,000	200,000	0	0	0	0	0	300,000
Total EXPENDITURES	1,360,000	731,000	545,000	560,000	575,000	591,000	605,000	4,967,000

Short Line Extensions Water

Project Detail

Public Works

Short Line Extensions

Project Scope

Project provides for water main extensions (<1000 LF) for qualifying customers.

Project Justification and History

Annual program included 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 Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Developer Funded	-34,825	0	0	0	0	0	0	-34,825
Utility Pay Go	-1,225,175	-531,000	-545,000	-560,000	-575,000	-591,000	-605,000	-4,632,175
Total REVENUE	-1,260,000	-531,000	-545,000	-560,000	-575,000	-591,000	-605,000	-4,667,000
EXPENDITURES								
Construction	1,104,926	451,000	463,000	476,000	489,000	502,000	514,000	3,999,926
Design and Engineering	155,074	80,000	82,000	84,000	86,000	89,000	91,000	667,074
Total EXPENDITURES	1,260,000	531,000	545,000	560,000	575,000	591,000	605,000	4,667,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Short Line Extensions To County Facilities

Project Detail

Public Works

Short Line Extensions

Project Scope

Project provides for various water or sewer extensions to service existing or proposed county facilities. Current projects include water line extensions to service Jesse Helms Park and the future shooting range for the Sheriff's Office.

Project Justification and History

This project will create the off site infrastructure needed to serve county facilities.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-100,000	-200,000	0	0	0	0	0	-300,000
Total REVENUE	-100,000	-200,000	0	0	0	0	0	-300,000
EXPENDITURES								
Construction	100,000	200,000	0	0	0	0	0	300,000
Design and Engineering	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	100,000	200,000	0	0	0	0	0	300,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Town Center Sewer Development

Program Detail

Program Scope

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, Unionville and Fairview were identified in the 2011 Master Plan for service and infrastructure improvements.

Program Operating Budget Impact

There are no known operating budget impacts related to the Stallings, Mineral Springs, Unionville or Fairview WW projects.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-2,007,440	0	0	0	0	0	0	-2,007,440
Total REVENUE	-2,007,440	0	0	0	0	0	0	-2,007,440
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
SW026 Stallings- Collection System	431,200	0	0	0	0	0	0	431,200
SW028 Mineral Springs- Collection System	1,267,240	0	0	0	0	0	0	1,267,240
SW033 Unionville Comm Center WW Service	103,000	0	0	0	0	0	0	103,000
SW034 Fairview Downtown WW Service	206,000	0	0	0	0	0	0	206,000
Total EXPENDITURES	2,007,440	0	0	0	0	0	0	2,007,440

Stallings- Collection System

Project Detail

Public Works

Town Center Sewer Development

Project Scope

Project provides study of the Town of Stallings and how to provide efficient sewer service. A "mini-master plan" of Stallings.

Project Justification and History

Stallings Downtown Wastewater Service is identified as part of the Town Center Sewer Development from the Comprehensive Water and Wastewater Master Plan. This Community Outreach Program will provide solutions for addressing new wastewater service within the Stallings town limits.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-431,200	0	0	0	0	0	0	-431,200
Total REVENUE	-431,200	0	0	0	0	0	0	-431,200
EXPENDITURES								
Construction	325,000	0	0	0	0	0	0	325,000
Design and Engineering	106,200	0	0	0	0	0	0	106,200
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	431,200	0	0	0	0	0	0	431,200
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Mineral Springs-Collection System

Project Detail

Public Works

Town Center Sewer Development

Project Scope

Project provides a study of the Town of Mineral Springs and how the town can best be served with Water and Sewer. Provide a `mini-master plan` for the Town of Mineral Springs.

Project Justification and History

Mineral Springs Downtown Wastewater Service is identified as part of the Town Center Sewer Development from the Comprehensive Water and Wastewater Master Plan. This Community Outreach Program will provide solutions for addressing new wastewater service within the Mineral Springs town limits.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-1,267,240	0	0	0	0	0	0	-1,267,240
Total REVENUE	-1,267,240	0	0	0	0	0	0	-1,267,240
EXPENDITURES								
Construction	1,001,700	0	0	0	0	0	0	1,001,700
Design and Engineering	265,540	0	0	0	0	0	0	265,540
Other Activities	0	0	0	0	0	0	0	0
Total EXPENDITURES	1,267,240	0	0	0	0	0	0	1,267,240
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Unionville Comm Center WW Service

Project Detail

Public Works

Town Center Sewer Development

Project Scope

Project provides a community outreach project. Study to best provide wastewater service to Unionville Community Center.

Project Justification and History

Unionville Community Center Wastewater Service is identified as part of the Town Center Sewer Development from the Comprehensive Water and Wastewater Master Plan. This Community Outreach Program will provide solutions for addressing new wastewater service for the Unionville Community Center.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-103,000	0	0	0	0	0	0	-103,000
Total REVENUE	-103,000	0	0	0	0	0	0	-103,000
EXPENDITURES								
Construction	0	0	0	0	0	0	0	0
Design and Engineering	103,000	0	0	0	0	0	0	103,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	103,000	0	0	0	0	0	0	103,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Fairview Downtown WW Service

Project Detail

Public Works

Town Center Sewer Development

Project Scope

Project provides a study to determine the best method to service downtown Fairview.

Project Justification and History

Fairview Downtown Wastewater Service is identified as part of the Town Center Sewer Development from the Comprehensive Water and Wastewater Master Plan. This Community Outreach Program will provide solutions for addressing new wastewater service within the Fairview town limits.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-206,000	0	0	0	0	0	0	-206,000
Total REVENUE	-206,000	0	0	0	0	0	0	-206,000
EXPENDITURES								
Construction	0	0	0	0	0	0	0	0
Design and Engineering	206,000	0	0	0	0	0	0	206,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	206,000	0	0	0	0	0	0	206,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Twelve Mile Creek WWTP System Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

The projects within the Twelve Mile Creek WWTP System Improvements program will have some marginal operating budget impacts. We could expect to see an increase in costs related to utilities, chemicals and bio-solids removal. Until the preliminary design and engineering studies are complete it is difficult to quantify what those impacts might be. The costs will be influenced by what technology and processes are established during the design phase.

The Twelve Mile Creek WWTP System Improvements program is primarily funded for the issuance of Revenue Bonds of \$50,899,400. One issuance will take place in FY 2015 of \$6,612,600 with a maximum annual debt service impact of \$547,160 beginning in FY 2016. The remaining issuance will be in FY 2017 of \$44,286,800 with a maximum debt service impact of \$3,664,512 beginning in FY 2018 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Developer Funded	0	0	0	0	0	0	0	0
FY 2015 Water and Wastewater Rev Bonds	-6,612,600	0	0	0	0	0	0	-6,612,600
FY 2017 Water and Wastewater Rev Bonds	-842,800	0	-2,180,000	-7,672,000	-33,592,000	0	0	-44,286,800
Utility Pay Go	-7,445,215	-4,745,000	-191,000	-2,238,000	0	0	0	-14,619,215
Total REVENUE	-14,900,615	-4,745,000	-2,371,000	-9,910,000	-33,592,000	0	0	-65,518,615

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
SP011 12 Mile WWTP Design & Interim Improvements	6,895,215	4,618,000	0	0	0	0	0	11,513,215
SP018 Hunley Creek WWTP Decommission	0	127,000	0	0	0	0	0	127,000

Twelve Mile Creek WWTP System Improvements

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
SP019 12 Mile Creek WWTP Expansion	101,200	0	2,180,000	0	33,592,000	0	0	35,873,200
SW022 East Fork 12M Creek Parallel Trunk	7,162,600	0	0	0	0	0	0	7,162,600
SW032 Blythe Creek Sewer Improvements	0	0	191,000	2,238,000	0	0	0	2,429,000
SW037 West Fork 12 Mile Interceptor Improvement	741,600	0	0	7,672,000	0	0	0	8,413,600
Total EXPENDITURES	14,900,615	4,745,000	2,371,000	9,910,000	33,592,000	0	0	65,518,615

12 Mile WWTP Design & Interim Improvements

Project Detail

Public Works

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for 12 Mile Waste Water Treatment Plant Expansion and Improvements layout and conceptual design 12 Mile WWTP beneficial water reuse, 12 Mile WWTP near-term improvements (digester, headworks, reliability), and other needed improvements.

Project Justification and History

Twelve Mile Creek WWTP System Improvements involves various improvements needed within the Twelve Mile Creek WWTP Service Area to reduce Inflow and Infiltration into the 12 Mile WWTP and to improve the hydraulics for the wastewater flow. To accommodate Union County's growth rate, the 12 Mile WWTP will require expansion. A conceptual design and facility layout detailing the expansion needs to begin in FY '14 for construction to begin in FY '16. Near term improvements are needed to improve the treatment reliability. These interim improvements can accommodate the projected growth rate until the additional capacity from the expansion becomes available.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-6,895,215	-4,618,000	0	0	0	0	0	-11,513,215
Total REVENUE	-6,895,215	-4,618,000	0	0	0	0	0	-11,513,215
EXPENDITURES								
Construction	4,489,010	4,618,000	0	0	0	0	0	9,107,010
Design and Engineering	2,406,205	0	0	0	0	0	0	2,406,205
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	6,895,215	4,618,000	0	0	0	0	0	11,513,215
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Hunley Creek WWTP Decommission

Project Detail

Public Works

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for the Demolition of Hunley Creek Wastewater Treatment Plant.

Project Justification and History

Hunley Creek WWTP is an offline plant owned by UCPW. The plant became a liability and bypassed as a result of Poplin Road Pump Station Project. Complete decommission and demolition of the plant is needed as the structure is a safety hazard.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	0	-127,000	0	0	0	0	0	-127,000
Total REVENUE	0	-127,000	0	0	0	0	0	-127,000
EXPENDITURES								
Construction	0	108,000	0	0	0	0	0	108,000
Design and Engineering	0	19,000	0	0	0	0	0	19,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	127,000	0	0	0	0	0	127,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

12 Mile Creek WWTP Expansion

Project Detail

Public Works

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for 3 MGD capacity expansion from 6 MGD to 9 MGD (Phase 1) and related improvements.

Project Justification and History

Twelve Mile Creek WWTP System Improvements involves various improvements needed within the Twelve Mile Creek WWTP Service Area to reduce Inflow and Infiltration into the 12 Mile WWTP and to improve the hydraulics for the wastewater flow. To accommodate Union County's growth rate, the 12 Mile WWTP will require expansion. The expansion will expand the treatment capacity of 12 Mile WWTP by 3 MGD, from 6 MGD to 9 MGD.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 Water and Wastewater Rev Bonds	-101,200	0	-2,180,000	0	-33,592,000	0	0	-35,873,200
Total REVENUE	-101,200	0	-2,180,000	0	-33,592,000	0	0	-35,873,200
EXPENDITURES								
Construction	0	0	0	0	33,592,000	0	0	33,592,000
Design and Engineering	101,200	0	2,180,000	0	0	0	0	2,281,200
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	101,200	0	2,180,000	0	33,592,000	0	0	35,873,200
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

East Fork 12M Creek Parallel Trunk

Project Detail

Public Works

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for improvements to East Fork Twelve Mile and tributaries with the installation of 16,000 LF of 24" lines, 5,800 LF of 18" lines, 300 LF of 15" lines, 12,400 LF of 12" lines, and improvements to Davis Mine Creek Gravity flow with the installation of 4,500 LF of 15" line, and related improvements.

Project Justification and History

Twelve Mile Creek WWTP System Improvements involves various improvements needed within the Twelve Mile Creek WWTP Service Area to reduce Inflow and Infiltration into the 12 Mile WWTP and to improve the hydraulics for the wastewater flow. A big contributor to the inflow and infiltration coming into 12 Mile WWTP results from extensive growth in the Weddington/Wesley Chapel area. The East Fork and Davis Mine interceptors serving these sewer basins are near capacity and often surcharge during rain events. Replacing and paralleling these interceptors with a larger diameter sewer line will help improve the I & I for these respective basins.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Developer Funded	0	0	0	0	0	0	0	0
FY 2015 Water and Wastewater Rev Bonds	-6,612,600	0	0	0	0	0	0	-6,612,600
Utility Pay Go	-550,000	0	0	0	0	0	0	-550,000
Total REVENUE	-7,162,600	0	0	0	0	0	0	-7,162,600
EXPENDITURES								
Construction	6,612,600	0	0	0	0	0	0	6,612,600
Design and Engineering	550,000	0	0	0	0	0	0	550,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	7,162,600	0	0	0	0	0	0	7,162,600
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Blythe Creek Sewer Improvements

Project Detail

Public Works

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for improvements to the Blythe Creek Tributary Sewer - Local sewers and 2,200 LF of 12" new sewer line (Waxhaw Grinder Pumps), Blythe Creek Sewer Extension - Local sewers and 2,600 LF of 12" new sewer (Wysacky grinder pumps) and related improvements.

Project Justification and History

WWTP Service Area to reduce Inflow and Infiltration into the 12 Mile WWTP and to improve the hydraulics for the wastewater flow. A contributor to the excessive I & I coming into the plant is the existing grey water system servicing a portion of the Town of Waxhaw. These lines are old and deteriorating and overflow during rain events. Two new sewer lines along Blythe Creek would help eliminate these old sewer lines as well as get rid of the old grinder pumps accompanying the greywater system.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Utility Pay Go	0	0	-191,000	-2,238,000	0	0	0	-2,429,000
Total REVENUE	0	0	-191,000	-2,238,000	0	0	0	-2,429,000
<i>EXPENDITURES</i>								
Construction	0	0	0	2,238,000	0	0	0	2,238,000
Design and Engineering	0	0	191,000	0	0	0	0	191,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	0	191,000	2,238,000	0	0	0	2,429,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

West Fork 12 Mile Interceptor Improvement

Project Detail

Public Works

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for approximately 12,200 LF of 30" and 12,300 LF of 18" Gravity Sewer line along the West Fork of Twelve Mile Creek and 5,300 LF of 21" Gravity Sewer line along a Tributary to West Fork. In addition approximately 3,700 LF of 16" force main will be extended to the West Fork of Twelve Mile Creek and other related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan identified the need to provide new sewer infrastructure to the northern part of the Twelve Mile Service Basin. These improvements will provide additional capacity for current and future wet weather sewer flows. In addition this project will alleviate the existing South Fork Interceptor which is currently at capacity by eliminating the existing Brookhaven Pump Station and extending the existing Poplin Road force main to the West Fork of Twelve Mile Creek.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2017 Water and Wastewater Rev Bonds	-741,600	0	0	-7,672,000	0	0	0	-8,413,600
Total REVENUE	-741,600	0	0	-7,672,000	0	0	0	-8,413,600
EXPENDITURES								
Construction	0	0	0	7,672,000	0	0	0	7,672,000
Design and Engineering	741,600	0	0	0	0	0	0	741,600
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	741,600	0	0	7,672,000	0	0	0	8,413,600
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

UCPW Buildings & Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

We expect additional operating expenses related to expanding the Operations Center. The expected costs are associated with utilities and maintenance. As we prepare the FY16 budget, the costs accompanying the expansion of the Operations Center will be looked at in more detail.

The UCPW Building and Improvements program is primarily funded from the issuance of Revenue Bonds of \$8,209,100 in FY 2015. The maximum annual debt service impact for this program will be \$679,262 beginning in FY 2016 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2015 Water and Wastewater Rev Bonds	-8,209,100	0	0	0	0	0	0	-8,209,100
Utility Pay Go	-2,706,276	0	0	0	0	0	0	-2,706,276
Total REVENUE	-10,915,376	0	0	0	0	0	0	-10,915,376

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
PW005 PW (Gov) Fac Renovations	1,826,276	0	0	0	0	0	0	1,826,276
PW006 Expand Operations Center	9,089,100	0	0	0	0	0	0	9,089,100
Total EXPENDITURES	10,915,376	0	0	0	0	0	0	10,915,376

PW (Gov) Fac Renovations

Project Detail

Public Works

UCPW Buildings & Improvements

Project Scope

Project provides for facility renovations to the fourth and fifth floors of the Government Center including needed design, construction, furnishings, and other necessary components.

Project Justification and History

UCPW buildings and improvements will fund existing facility renovations within the 4th and 5th floors of the Government Center. These improvements will provide facilities designed to promote increased work efficiencies.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-1,826,276	0	0	0	0	0	0	-1,826,276
Total REVENUE	-1,826,276	0	0	0	0	0	0	-1,826,276
EXPENDITURES								
Construction	1,826,276	0	0	0	0	0	0	1,826,276
Design and Engineering	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	1,826,276	0	0	0	0	0	0	1,826,276
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Expand Operations Center

Project Detail

Public Works

UCPW Buildings & Improvements

Project Scope

Project provides for the redevelopment of approximately 18 acres of the existing 100 acre site currently used as the departments Operation Center. Project elements include a new Administration Building including Staff Support and Training Facility, a new Warehouse, Fueling Station, Vehicle wash, renovation of two existing buildings and demolition of various existing structures on site. Also included will be the development of all required infrastructure on site including a new entrance, water, sewer, power, parking and storm water management.

Project Justification and History

The design, engineering and construction for a new Operations Center to provide facilities promoting increased work efficiencies for Operations.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
<i>REVENUE</i>										
FY 2015 Water and Wastewater Rev Bonds	-8,209,100	0	0	0	0	0	0	0	0	-8,209,100
Utility Pay Go	-880,000	0	0	0	0	0	0	0	0	-880,000
Total REVENUE	-9,089,100	0	0	0	0	0	0	0	0	-9,089,100
<i>EXPENDITURES</i>										
Construction	8,209,100	0	0	0	0	0	0	0	0	8,209,100
Design and Engineering	880,000	0	0	0	0	0	0	0	0	880,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	9,089,100	0	0	0	0	0	0	0	0	9,089,100
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0	0

Wastewater Pump Station Improvements

Program Detail

Program Scope

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.

Program Operating Budget Impact

The projects within this program will have little or no operating budget impact.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-592,700	-1,622,300	-327,000	-784,000	-231,000	-354,000	-847,000	-4,758,000
Total REVENUE	-592,700	-1,622,300	-327,000	-784,000	-231,000	-354,000	-847,000	-4,758,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
SW031 Wastewater Pump Station Improvement	92,700	1,410,300	0	0	0	0	0	1,503,000
SW035 Collection System SSES & Rehab	500,000	0	109,000	560,000	0	118,000	605,000	1,892,000
SW036 Pumping Station Upgrades	0	212,000	218,000	224,000	231,000	236,000	242,000	1,363,000
Total EXPENDITURES	592,700	1,622,300	327,000	784,000	231,000	354,000	847,000	4,758,000

Wastewater Pump Station Improvement

Project Detail

Public Works

Wastewater Pump Station Improvements

Project Scope

Project provides for the replacement of the Helmsville Pumping Station including approximately 4,600 LF of 8" forcemain replacement.

Project Justification and History

Project will be performed under the Wastewater Improvements annual program identified as a part of the Comprehensive Water and Wastewater Master Plan. The Helmsville Pumping Station replacement was a recommended project identified from the Crooked Creek I&I Study.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-92,700	-1,410,300	0	0	0	0	0	-1,503,000
Total REVENUE	-92,700	-1,410,300	0	0	0	0	0	-1,503,000
EXPENDITURES								
Construction	0	1,307,000	0	0	0	0	0	1,307,000
Design and Engineering	92,700	103,300	0	0	0	0	0	196,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	92,700	1,410,300	0	0	0	0	0	1,503,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Collection System SSES & Rehab

Project Detail

Public Works

Wastewater Pump Station Improvements

Project Scope

Project provides for rehabilitation of aging and inadequate wastewater infrastructure, manhole and sewer SSES, condition assessment and reduce sanitary sewer overflows within the collection system.

Project Justification and History

Collection System Rehabilitation is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing wastewater collection systems. This program will provide for rehabilitation of aging and inadequate wastewater infrastructure, manhole and sewer SSES, condition assessment and reduce sanitary sewer overflows within the collection system.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Utility Pay Go	-500,000	0	-109,000	-560,000	0	-118,000	-605,000	-1,892,000
Total REVENUE	-500,000	0	-109,000	-560,000	0	-118,000	-605,000	-1,892,000
<i>EXPENDITURES</i>								
Construction	0	0	0	560,000	0	0	605,000	1,165,000
Design and Engineering	500,000	0	109,000	0	0	118,000	0	727,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	500,000	0	109,000	560,000	0	118,000	605,000	1,892,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Pumping Station Upgrades

Project Detail

Public Works

Wastewater Pump Station Improvements

Project Scope

Project provides for rehabilitation of aging and inadequate wastewater infrastructure, manhole and sewer SSES, condition assessment, and reduce sanitary sewer overflows within the collection system.

Project Justification and History

General upgrades for existing pump stations identified in the Comprehensive Water and Wastewater Master Plan. This includes upgrading or replacing the motors, drives, pumps, telemetry, generators, force mains, addressing odors, etc.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	0	-212,000	-218,000	-224,000	-231,000	-236,000	-242,000	-1,363,000
Total REVENUE	0	-212,000	-218,000	-224,000	-231,000	-236,000	-242,000	-1,363,000
EXPENDITURES								
Construction	0	180,000	185,000	190,000	196,000	201,000	206,000	1,158,000
Design and Engineering	0	32,000	33,000	34,000	35,000	35,000	36,000	205,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	212,000	218,000	224,000	231,000	236,000	242,000	1,363,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Wastewater Rehabilitation and Replacement

Program Detail

Program Scope

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.

Program Operating Budget Impact

The projects within this program will have little or no operating budget impact.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-3,957,960	-1,666,000	-1,199,000	-1,232,000	-1,265,000	-1,298,000	-1,331,000	-11,948,960
Total REVENUE	-3,957,960	-1,666,000	-1,199,000	-1,232,000	-1,265,000	-1,298,000	-1,331,000	-11,948,960
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
MS006 Wastewater R&R Program	46,360	1,166,000	1,199,000	1,232,000	1,265,000	1,298,000	1,331,000	7,537,360
MS009 Manhole Rehab 12Ml & Grassy Branch	1,136,640	0	0	0	0	0	0	1,136,640
SP015 Tallwood WWTP Replacement	2,454,960	0	0	0	0	0	0	2,454,960
SP020 Grassy Branch WWTP	50,000	500,000	0	0	0	0	0	550,000
SP021 Olde Sycamore WWTP Improvements	270,000	0	0	0	0	0	0	270,000
Total EXPENDITURES	3,957,960	1,666,000	1,199,000	1,232,000	1,265,000	1,298,000	1,331,000	11,948,960

Wastewater R&R Program

Project Detail

Public Works

Wastewater Rehabilitation and Replacement

Project Scope

Project provides for the annual wastewater rehabilitation program.

Project Justification and History

Wastewater rehabilitation and replacement is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing wastewater facilities. UCPW's facilities` will be assessed and analyzed on a yearly basis and rehabilitated based on the condition and need.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-46,360	-1,166,000	-1,199,000	-1,232,000	-1,265,000	-1,298,000	-1,331,000	-7,537,360
Total REVENUE	-46,360	-1,166,000	-1,199,000	-1,232,000	-1,265,000	-1,298,000	-1,331,000	-7,537,360
EXPENDITURES								
Construction	46,360	991,000	1,019,000	1,047,000	1,075,000	1,103,000	1,131,000	6,412,360
Design and Engineering	0	175,000	180,000	185,000	190,000	195,000	200,000	1,125,000
Total EXPENDITURES	46,360	1,166,000	1,199,000	1,232,000	1,265,000	1,298,000	1,331,000	7,537,360
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Manhole Rehab 12Ml & Grassy Branch

Project Detail

Public Works

Wastewater Rehabilitation and Replacement

Project Scope

Project provides for the annual wastewater manhole rehabilitation.

Project Justification and History

Wastewater manhole rehabilitation is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing wastewater facilities. UCPW`s facilities` will be assessed and analyzed on a yearly basis and rehabilitated based on the condition and need.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Utility Pay Go	-1,136,640	0	0	0	0	0	0	0	-1,136,640
Total REVENUE	-1,136,640	0	0	0	0	0	0	0	-1,136,640
EXPENDITURES									
Construction	1,001,640	0	0	0	0	0	0	0	1,001,640
Design and Engineering	135,000	0	0	0	0	0	0	0	135,000
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	1,136,640	0	0	0	0	0	0	0	1,136,640
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Tallwood WWTP Replacement

Project Detail

Public Works

Wastewater Rehabilitation and Replacement

Project Scope

Project provides for the replacement of existing Tallwood Wastewater Treatment Plant.

Project Justification and History

Wastewater rehabilitation and replacement is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing wastewater facilities. Replacement of the Tallwood WWTP is active project to be completed before FY 2014. The poor condition of the existing plant increased concerns of failure prompting the replacement.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Utility Pay Go	-2,454,960	0	0	0	0	0	0	0	-2,454,960
Total REVENUE	-2,454,960	0	0	0	0	0	0	0	-2,454,960
EXPENDITURES									
Construction	2,122,000	0	0	0	0	0	0	0	2,122,000
Design and Engineering	332,960	0	0	0	0	0	0	0	332,960
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	2,454,960	0	0	0	0	0	0	0	2,454,960
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Grassy Branch WWTP

Project Detail

Public Works

Wastewater Rehabilitation and Replacement

Project Scope

Project provides for the annual wastewater rehabilitation program. Included as a priority according to UCPW Operations for FY '14 is to perform a study on the Grassy Branch WWTP accessing treatability issues, age, efficiency, etc.

Project Justification and History

Wastewater rehabilitation and replacement is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing wastewater facilities. UCPW's facilities` will be assessed and analyzed on a yearly basis and rehabilitated based on the condition and need.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Utility Pay Go	-50,000	-500,000	0	0	0	0	0	-550,000
Total REVENUE	-50,000	-500,000	0	0	0	0	0	-550,000
<i>EXPENDITURES</i>								
Construction	0	500,000	0	0	0	0	0	500,000
Design and Engineering	50,000	0	0	0	0	0	0	50,000
Total EXPENDITURES	50,000	500,000	0	0	0	0	0	550,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Olde Sycamore WWTP Improvements

Project Detail

Public Works

Wastewater Rehabilitation and Replacement

Project Scope

Project provides for the annual wastewater rehabilitation program. Included as a priority according to UCPW Operations for FY '14 is to perform a study on the Olde Sycamore WWTP accessing treatability issues, age, efficiency, etc.

Project Justification and History

Wastewater rehabilitation and replacement is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing wastewater facilities. UCPW's facilities` will be assessed and analyzed on a yearly basis and rehabilitated based on the condition and need.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Utility Pay Go	-270,000	0	0	0	0	0	0	-270,000
Total REVENUE	-270,000	0	0	0	0	0	0	-270,000
<i>EXPENDITURES</i>								
Construction	216,000	0	0	0	0	0	0	216,000
Design and Engineering	54,000	0	0	0	0	0	0	54,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	270,000	0	0	0	0	0	0	270,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Water & Wastewater Master Planning

Program Detail

Program Scope

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.

Program Operating Budget Impact

This project will have no impact to the operating budget.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Utility Pay Go	0	-318,000	0	0	0	0	0	-363,000	-681,000
Total REVENUE	0	-318,000	0	0	0	0	0	-363,000	-681,000

Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
EXPENDITURES									
PW007 Water & Wastewater Master Plan Update	0	318,000	0	0	0	0	0	363,000	681,000
Total EXPENDITURES	0	318,000	0	0	0	0	0	363,000	681,000

Water & Wastewater Master Plan Update

Project Detail

Public Works

Water & Wastewater Master Planning

Project Scope

Project provides for the regular update of the current Water & Wastewater Master Plan to reflect changes in system growth.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan recommended updates on a 5 year schedule.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
<i>REVENUE</i>								
Utility Pay Go	0	-318,000	0	0	0	0	-363,000	-681,000
Total REVENUE	0	-318,000	0	0	0	0	-363,000	-681,000
<i>EXPENDITURES</i>								
Construction	0	0	0	0	0	0	0	0
Design and Engineering	0	318,000	0	0	0	0	363,000	681,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	318,000	0	0	0	0	363,000	681,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Water Rehabilitation and Replacement

Program Detail

Program Scope

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.

Program Operating Budget Impact

The projects within this program will have little or no operating budget impact.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-3,915,979	-1,485,000	-1,526,000	-1,568,000	-1,610,000	-1,653,000	-1,694,000	-13,451,979
Total REVENUE	-3,915,979	-1,485,000	-1,526,000	-1,568,000	-1,610,000	-1,653,000	-1,694,000	-13,451,979
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
MW008 Hwy 84 24" Waterline Relocation	499,848	0	0	0	0	0	0	499,848
MW016 Water R&R Program	0	954,000	981,000	1,008,000	1,035,000	1,062,000	1,089,000	6,129,000
MW019 Galvanized Waterline Replacement	1,148,531	531,000	545,000	560,000	575,000	591,000	605,000	4,555,531
MW020 Waterline Replacement Austin Chaney Rd	987,000	0	0	0	0	0	0	987,000
MW021 Pilgrims Pride Line & Vault Replacement	200,000	0	0	0	0	0	0	200,000
WT043 Hwy 75 BPS Rehab	1,080,600	0	0	0	0	0	0	1,080,600
Total EXPENDITURES	3,915,979	1,485,000	1,526,000	1,568,000	1,610,000	1,653,000	1,694,000	13,451,979

Hwy 84 24" Waterline Relocation

Project Detail

Public Works

Water Rehabilitation and Replacement

Project Scope

Project provides for replacement and relocation of the existing 24-inch water main on Highway 84 and related improvements.

Project Justification and History

In 2008 this section of water main failed due to creek bank erosion along Highway 84 near Deal Road. This project will provide a permanent solution by replacing 400 LF of existing 24-inch main with restrained joint pipe, relocating and boring under the existing creek to eliminate future erosion issues and the installation of two 24-inch valves to minimize future disruption to existing customers.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-499,848	0	0	0	0	0	0	-499,848
Total REVENUE	-499,848	0	0	0	0	0	0	-499,848
EXPENDITURES								
Construction	447,674	0	0	0	0	0	0	447,674
Design and Engineering	52,174	0	0	0	0	0	0	52,174
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	499,848	0	0	0	0	0	0	499,848
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Water R&R Program

Project Detail

Public Works

Water Rehabilitation and Replacement

Project Scope

Project provides for the annual water rehabilitation and replacement program.

Project Justification and History

Water Rehabilitation and Replacement is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing Water Infrastructure.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	0	-954,000	-981,000	-1,008,000	-1,035,000	-1,062,000	-1,089,000	-6,129,000
Total REVENUE	0	-954,000	-981,000	-1,008,000	-1,035,000	-1,062,000	-1,089,000	-6,129,000
EXPENDITURES								
Construction	0	763,000	785,000	806,000	828,000	850,000	871,000	4,903,000
Design and Engineering	0	191,000	196,000	202,000	207,000	212,000	218,000	1,226,000
Total EXPENDITURES	0	954,000	981,000	1,008,000	1,035,000	1,062,000	1,089,000	6,129,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Galvanized Waterline Replacement

Project Detail

Public Works

Water Rehabilitation and Replacement

Project Scope

Project provides for the annual galvanized waterline replacement program.

Project Justification and History

This is an annual project that will replace existing galvanized and small lines which are inadequate and provide various hydraulic, water quality and maintenance issues.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-1,148,531	-531,000	-545,000	-560,000	-575,000	-591,000	-605,000	-4,555,531
Total REVENUE	-1,148,531	-531,000	-545,000	-560,000	-575,000	-591,000	-605,000	-4,555,531
EXPENDITURES								
Construction	937,750	451,000	463,000	476,000	489,000	502,000	514,000	3,832,750
Design and Engineering	206,048	80,000	82,000	84,000	86,000	89,000	91,000	718,048
Other Activities	4,733	0	0	0	0	0	0	4,733
Total EXPENDITURES	1,148,531	531,000	545,000	560,000	575,000	591,000	605,000	4,555,531
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Waterline Replacement Austin Chaney Rd

Project Detail

Public Works

Water Rehabilitation and Replacement

Project Scope

Project provides for a water line replacement for portions of Austin Chaney and Rocky River Road.

Project Justification and History

Water Rehabilitation and Replacement is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing Water Infrastructure.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-987,000	0	0	0	0	0	0	-987,000
Total REVENUE	-987,000	0	0	0	0	0	0	-987,000
EXPENDITURES								
Construction	829,600	0	0	0	0	0	0	829,600
Design and Engineering	157,400	0	0	0	0	0	0	157,400
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	987,000	0	0	0	0	0	0	987,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Pilgrims Pride Line & Vault Replacement

Project Detail

Public Works

Water Rehabilitation and Replacement

Project Scope

Project provides for Pilgrims Pride water line and vault replacement.

Project Justification and History

Water Rehabilitation and Replacement is an annual program identified as part of the Comprehensive Water and Wastewater Master Plan geared towards Asset Management of existing Water Infrastructure.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-200,000	0	0	0	0	0	0	-200,000
Total REVENUE	-200,000	0	0	0	0	0	0	-200,000
EXPENDITURES								
Construction	160,000	0	0	0	0	0	0	160,000
Design and Engineering	40,000	0	0	0	0	0	0	40,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	200,000	0	0	0	0	0	0	200,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Hwy 75 BPS Rehab

Project Detail

Public Works

Water Rehabilitation and Replacement

Project Scope

Project provides for upgrades to the existing Hwy 75 Booster Pumping Station and includes new flow monitoring, replacement of existing control valves, a new standby generator and switchgear.

Project Justification and History

This project will rehab the existing Hwy 75 Booster Pump Station and improve the water quality and pressure in the service area. Project included in the annually approved water rehabilitation and replacement program as identified in the 2011 Master Plan.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
Utility Pay Go	-1,080,600	0	0	0	0	0	0	0	-1,080,600
Total REVENUE	-1,080,600	0	0	0	0	0	0	0	-1,080,600
EXPENDITURES									
Construction	982,900	0	0	0	0	0	0	0	982,900
Design and Engineering	97,700	0	0	0	0	0	0	0	97,700
Land Acquisition	0	0	0	0	0	0	0	0	0
Total EXPENDITURES	1,080,600	0	0	0	0	0	0	0	1,080,600
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Water Tank Rehabilitation

Program Detail

Program Scope

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.

Program Operating Budget Impact

The projects within this program will have little or no operating budget impact.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-639,000	-318,000	0	0	-345,000	0	0	-1,302,000
Total REVENUE	-639,000	-318,000	0	0	-345,000	0	0	-1,302,000
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
EXPENDITURES								
WT054 Marshville Water Tank Rehab	639,000	0	0	0	0	0	0	639,000
WT063 Storage Tank Rehabilitation	0	318,000	0	0	345,000	0	0	663,000
Total EXPENDITURES	639,000	318,000	0	0	345,000	0	0	1,302,000

Marshville Water Tank Rehab

Project Detail

Public Works

Water Tank Rehabilitation

Project Scope

Project provides for storage tank rehabilitation.

Project Justification and History

Storage Tank Rehabilitation is 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. Existing Marshville Water Tank is the first project targeted for rehabilitation.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	-639,000	0	0	0	0	0	0	-639,000
Total REVENUE	-639,000	0	0	0	0	0	0	-639,000
EXPENDITURES								
Construction	550,000	0	0	0	0	0	0	550,000
Design and Engineering	89,000	0	0	0	0	0	0	89,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	639,000	0	0	0	0	0	0	639,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Storage Tank Rehabilitation

Project Detail

Public Works

Water Tank Rehabilitation

Project Scope

Project provides for the rehabilitation and improvements to existing elevated storage tanks and other necessary improvements.

Project Justification and History

Storage Tank Rehabilitation is 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.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
Utility Pay Go	0	-318,000	0	0	-345,000	0	0	-663,000
Total REVENUE	0	-318,000	0	0	-345,000	0	0	-663,000
EXPENDITURES								
Construction	0	254,000	0	0	276,000	0	0	530,000
Design and Engineering	0	64,000	0	0	69,000	0	0	133,000
Land Acquisition	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	318,000	0	0	345,000	0	0	663,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Yadkin River Water Supply

Program Detail

Program Scope

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 and additional IBT from Catawba River Basin. In an effort to leverage usage of the CRWTP for maximum available supply, additional water needs to be permitted for IBT within both the Catawba and Yadkin basins.

Program Operating Budget Impact

The projects with the YRWSP program will have significant operating budget impacts. We could expect the costs associated with the water treatment plant to be approximately .68 per thousand gallons produced. With a 4MGD capacity, our costs would be about one million dollars a year (in today’s dollars).

The YRWSP program is primarily funded from the issuance of Revenue Bonds of \$138,372,000. One issuance will take place in FY 2017 for \$2,922,00. The maximum annual debt service impact for this issuance will be \$241,781 beginning in FY 2018 and will retire in twenty years. The remaining issuance will take place in FY 2019 for \$135,450,000. The maximum annual debt service impact for this issuance will be \$11,207,812 beginning in FY 2020 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
REVENUE									
FY 2017 Water and Wastewater Rev Bonds	0	0	0	0	0	0	0	-2,922,000	-2,922,000
FY 2019 Water and Wastewater Rev Bonds	0	0	-1,090,000	-8,400,000	-8,625,000	-117,335,000	0	0	-135,450,000
Utility Pay Go	-2,249,510	-2,120,000	0	0	0	0	0	0	-4,369,510
Total REVENUE	-2,249,510	-2,120,000	-1,090,000	-8,400,000	-8,625,000	-117,335,000	-2,922,000	-2,922,000	-142,741,510
Program Projects	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total	
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020		
EXPENDITURES									
UT011 Yadkin Distribution System Improvements	0	0	0	0	0	0	0	2,922,000	2,922,000
WP005 Yadkin Water Supply	2,249,510	2,120,000	1,090,000	8,400,000	8,625,000	117,335,000	0	0	139,819,510
Total EXPENDITURES	2,249,510	2,120,000	1,090,000	8,400,000	8,625,000	117,335,000	2,922,000	2,922,000	142,741,510

Yadkin Distribution System Improvements

Project Detail

Public Works

Yadkin River Water Supply

Project Scope

Project provides for various system improvements within Union County's existing distribution system to adequately deliver the required capacity from the new water treatment plant. Projects include additional booster pumping stations and large transmission mains.

Project Justification and History

The 2011 Master Plan identified the need for a long term water supply from the Yadkin River Basin. This project will create the needed infrastructure to supplement the new Water Treatment Plant.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total		
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
<i>REVENUE</i>										
FY 2017 Water and Wastewater Rev Bonds	0	0	0	0	0	0	0	-2,922,000	-2,922,000	
Total REVENUE	0	0	0	0	0	0	0	-2,922,000	-2,922,000	
<i>EXPENDITURES</i>										
Construction	0	0	0	0	0	0	0	0	0	
Design and Engineering	0	0	0	0	0	0	0	2,922,000	2,922,000	
Land Acquisition	0	0	0	0	0	0	0	0	0	
Total EXPENDITURES	0	0	0	0	0	0	0	2,922,000	2,922,000	
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0	

Yadkin Water Supply

Project Detail

Public Works

Yadkin River Water Supply

Project Scope

Project provides for the Catawba Inter Basin Transfer Permit Expansion to 13.5 MGD, Yadkin IBT/FERC Permitting and the design of a new raw water supply system and water treatment plant to provide additional water supply. Construction of new facilities is expected to begin in Fiscal Year 2018.

Project Justification and History

The 2011 Master Plan identified several long term water supply alternative scenarios to meet expected future water demands (to 2040). Due to the lack of an adequate water supply source within Union County's borders, all of the alternative scenarios require a new IBT certificate from the Yadkin-Pee Dee River Basin and additional IBT from Catawba River Basin. To leverage the use of the CRWTP for the maximum amount of supply available while balancing against an eastern water supply strategy, additional water needs to be permitted for IBT within both the Catawba and Yadkin basins.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2015	Unappropriated Planning Years					Total
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
REVENUE								
FY 2019 Water and Wastewater Rev Bonds	0	0	-1,090,000	-8,400,000	-8,625,000	-117,335,000	0	-135,450,000
Utility Pay Go	-2,249,510	-2,120,000	0	0	0	0	0	-4,369,510
Total REVENUE	-2,249,510	-2,120,000	-1,090,000	-8,400,000	-8,625,000	-117,335,000	0	-139,819,510
EXPENDITURES								
Construction	0	0	0	0	0	117,335,000	0	117,335,000
Design and Engineering	2,024,510	2,120,000	1,090,000	2,800,000	8,625,000	0	0	16,659,510
Land Acquisition	0	0	0	5,600,000	0	0	0	5,600,000
Other Activities	225,000	0	0	0	0	0	0	225,000
Total EXPENDITURES	2,249,510	2,120,000	1,090,000	8,400,000	8,625,000	117,335,000	0	139,819,510
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

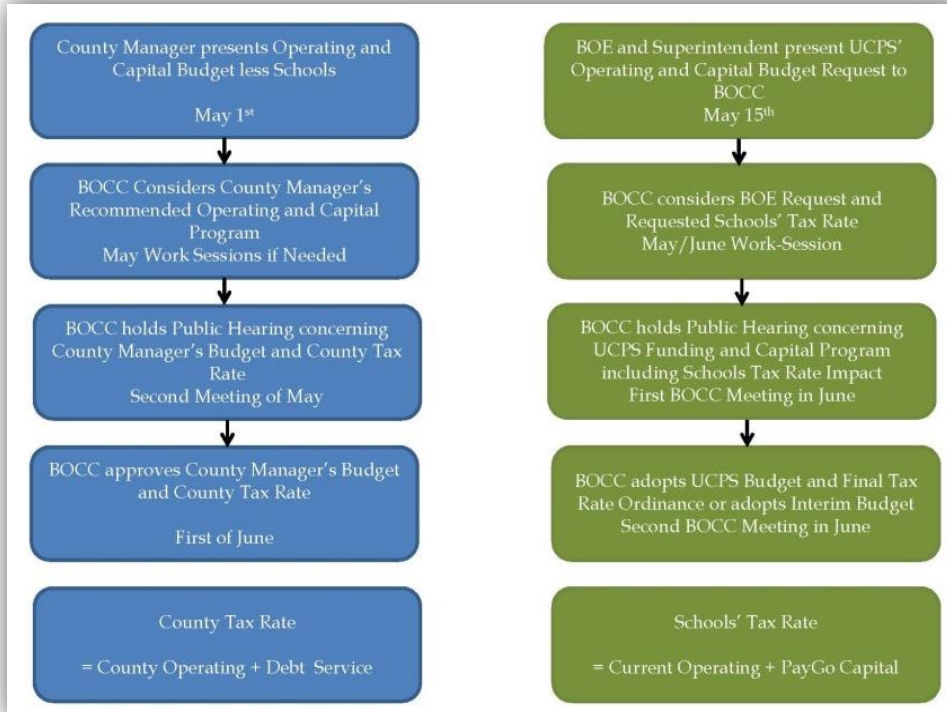
UCPS Capital Program

Given the changing environment concerning funding of public schools in Union County, the Board of County Commissioners and Board of Education agreed that a new budget process was needed. At a joint meeting of the Boards held March 26, 2014, County staff laid out a process. This process was discussed and will be used during the FY 2015 budget development.

The revised budget process focused in on process key principles:

- Foster an Environment of Cooperation
- Foster an Environment of Transparency
- Foster an Environment of Communication and Openness
- Foster an Environment of Trust
- Foster an Environment of Fairness
- Foster a Public Dialogue with the Board of Education Concerning UCPS' Funding
- Foster a Dialogue with the Public Concerning UCPS' Funding

These principles were used to lay a foundation for goals in the revised



process. These goals then guided the process development. The process should:

- Ensure Transparency and Communication
- Ensure Fiscal Sustainability
- Ensure a Public Dialogue Concerning UCPS' Funding
- Ensure County Services' Funding Needs Receive Due Consideration
- Ensure UCPS' Funding Needs Receive Due Consideration
- Ensure the Residents are Heard
- Ensure Adherence to General Statutes
- Ensure Regular Communication Between the Board of Education and the Board of County Commissioners

With these goals in mind, a "bifurcated" process was developed that essentially separated the UCPS funding discussion from the County Services funding discussion. As the graphic indicates, the process will run parallel to the County's process.

Based upon the work sessions and public hearings, the Board of County Commissioners established the tax rate for County Operations. And then, as allowed for in G.S. 153A-149(b)(7), established a separate tax rate "to provide for the County's share of the cost of kindergarten, elementary, secondary, and post-secondary public education."

General Fund Supported School Funding

As mentioned above the Schools' Tax Rate will fund the current expense and pay-go capital funding. The County funds, in addition, through the General Fund, the UCPS related debt service and maintenance on UCPS' offices located in County facilities.

The debt service, as shown in the tables following, is partially funded through dedicated sales tax and lottery proceeds, with the remaining funding coming from other General Fund sources.

In FY 2015, the estimated debt service is \$45,021,743 and the estimated cost of maintenance is \$284,835. The total estimated revenue for the dedicated local option sales tax is \$6,994,057 and the estimated lottery proceeds are \$2,759,336. The net General Fund Funding from other sources is \$35,553,185.



Legislative Changes to School Funding

During the 2014 Short Session, the General Assembly of North Carolina took up the issue of funding for Public Schools in Union County. The final outcome is reflected in Session Law 2014-9.

Session Law 2014-9 reads as follows:

AN ACT TO MAKE TECHNICAL CHANGES AND CLARIFICATIONS IN AN ACT TO ESTABLISH A MORATORIUM ON FILING OF ACTIONS BY CERTAIN LOCAL BOARDS OF EDUCATION CHALLENGING THE SUFFICIENCY OF LOCAL FUNDS APPROPRIATED TO THE PUBLIC SCHOOLS BY THE BOARD OF COUNTY COMMISSIONERS.

The General Assembly of North Carolina enacts:

SECTION 1. If House Bill 292, 2013 Regular Session, becomes law, then that act is rewritten to read:

SECTION 1.(a) A local board of education shall not file any legal action under G.S. 115C-426, 115C-431, or 115C-432 challenging the sufficiency of the funds appropriated by the Union County Board of Commissioners to the local current expense fund, the capital outlay fund, or both. This subsection expires upon the adoption of the 2016-2017 fiscal year budget by the Union County Board of Commissioners.

SECTION 1.(b) G.S. 115C-429(b) reads as rewritten:

(b) The board of county commissioners shall complete its action on the school budget on or before July 1, or such later date as may be agreeable to the board of education. The commissioners shall ~~determine the amount of county revenues to be appropriated in the county budget ordinance to the local school administrative unit for the budget year. The board of county commissioners may, in its discretion, allocate part or all of its appropriation by purpose, function, or project as defined in the uniform budget format.~~ appropriate moneys as follows for each indicated fiscal year:

- (1) For the 2014-2015 fiscal year, at least eighty-seven million ninety-seven thousand eight hundred eighty-four dollars (\$87,097,884) for the local current expense fund and at least nineteen million five hundred thirty-one thousand five hundred eighty-two dollars (\$19,531,582) for capital outlay.
- (2) For the 2015-2016 fiscal year, at least an amount equal to the local current expense fund appropriation for the 2014-2015 budget year plus (i) an inflationary increase based on the most recent annual consumer price index for all urban workers (CPI-

U) and (ii) any increase in the average daily membership in the local school administrative unit in the first 20 days of the school year from the prior school year, and at least nineteen million seven hundred eighty-six thousand twenty-four dollars (\$19,786,024) for capital outlay.

SECTION 1.(c) On or before August 1, 2014, the Union County Board of Commissioners and the Union County Schools shall jointly establish a working group to develop a multiyear plan to address existing and ongoing capital needs of the Union County Schools. The working group shall consist of up to 14 people, half appointed by each board. The working group shall complete its work and report to the Union County Board of Commissioners and the Union County Schools on or before June 30, 2015.

SECTION 1.(d) This section applies only to Union County.

SECTION 2.(a) G.S. 115C-431 is repealed. This subsection expires upon the adoption of the 2016-2017 fiscal year budget by the appropriate board of county commissioners.

SECTION 2.(b) A local board of education shall not file any legal action under G.S. 115C-426, 115C-431, or 115C-432 challenging the sufficiency of the funds appropriated by the board of county commissioners to the local current expense fund, the capital outlay fund, or both. This subsection expires upon the adoption of the 2016-2017 fiscal year budget by the appropriate board of county commissioners.

SECTION 2.(c) This section applies only to counties of Gaston and Nash.

SECTION 3. If any provision of this act or its application is held invalid, the invalidity does not affect the other provisions or applications of this act that can be given effect without the invalid provisions or applications, and to this end the provisions of this act are severable.

SECTION 4. This act becomes effective June 11, 2014, and shall not affect any action filed prior to that date.

SECTION 2. This act becomes effective June 11, 2014.

As section B.(1) states, the Board of County Commissioners are obligated to fund the UCPS Current Expense at \$87,097,884. The required funding level represents a \$4,076,025 increase or 4.91 percent growth from the Revised FY 2014 budget. The required amount however is \$2,778,517 million less than the \$89,876,401 requested by the Board of Education. The requested funding was an 8.26 percent increase, or \$6,854,542 more than the Revised FY 2014 budget.

As section B.(2) states, the Board of County Commissioners are obligated to fund UCPS Capital Outlay at \$19,531,582. The



required funding level is \$1,595,128 or 8.89 percent more than the revised budget in FY 2014. When combined with the FY 2014 appropriation, the Board of County Commissioners will have funded \$37,468,036 of Capital Outlay for FY 2014 and FY 2015. The Board of Education requested \$97,716,315 of Capital Outlay funding; the requested funding is \$79,779,861 or 445 percent more than the Revised FY 2014 budget.

Status of the Jury Award

During the summer of 2013, following a mediation process, the Board of Education sued the residents of Union County claiming that the funding provided by the Board of County Commissioners was insufficient to provide a system of free public education.

At the conclusion of the proceedings the jury award UCPS \$91,157,139. Of that, \$4,973,134 was awarded for Current Expense and \$86,184,005 was awarded for capital. Since the award, the Board of County Commissioners appropriated \$761,451 additional funding for FY 2014 Current Expense and an additional \$14,936,454 for Capital Outlay, exceeding the original FY 2014 Capital Outlay request by \$9,578,595.

Given the perceived irregularities that arose during the trial and extreme amount of the verdict the Board of County Commissioners resolved to protect the residents of Union County by appealing the verdict to the appellate division of the General Court. During the appeal, the residents do not have to fund the remaining \$71,247,551 for Capital outlay or the remaining \$4,211,684 for Current Expense funding. A decision is expected by early calendar 2015.

Schools' Tax Rate and Capital Funding

Union County Public Schools Funding Projection					
Fiscal Year	UCPS Current Exp.	UCPS PayGo	Total	Schools' Tax Rate	
FY 2014	\$ 83,021,859	17,936,454	100,958,313	35.36	
FY 2015	87,097,884	19,531,582	106,629,466	45.50	
FY 2016	90,956,320	19,786,024	110,742,344	45.50	
FY 2017	94,985,673	20,044,847	115,030,520	47.50	
FY 2018	99,193,538	20,308,165	119,501,703	47.50	
FY 2019	103,587,812	20,576,093	124,163,905	50.50	
FY 2020	108,176,752	20,848,749	129,025,501	50.50	

Note: CPI Assumption = 2%, ADM Growth Assumption = 2.43%

Beyond the required Current Expense funding, Session Law 2014-9 prescribed the level of Capital Outlay funding for UCPS for both FY 2015 and FY 2016. While UCPS originally requested \$97,716,321 for Capital Outlay, the required FY 2015 funding level was \$19,531,582. The Capital Outlay funding is 8.89 percent or \$1,595,128 more than revised FY 2014.

The FY 2015 Ad Valorem, or property tax value of \$19,531,582 is equal to 8.2 cents. This funding level was originally recommended based on the level of general fund debt service added during the past ten years for which the tax rates were not increased. Essentially, this onetime increase resets the tax rate to the necessary funding needed to provide for historical debt service.

The FY 2016 required capital funding is \$19,786,024 and is reflective of anticipated growth in Ad Valorem revenues. As such, the projected portion of the Schools' Tax rate allocated to Capital Outlay is not anticipated to change in FY 2016.

Assuming the Capital funding remains at the 8.2 cents, UCPS is anticipated to receive more than \$139 million from FY 2014 through FY 2020.

Although the Session Law has eliminated the BOCC's ability to ensure specific projects are done with the Capital Outlay funding provided, the Board of County Commissioners expressed their expectation and desire that the local Capital Outlay Funding be used as follows:

- \$821,950 for Student Safety and Security Projects
- \$9,736,880 for Roofing, Structure, and HVAC
- \$584,961 for Structural ADA Improvements
- \$7,504,488 for Other Facilities Projects
- \$84,444 for Buses
- \$377,359 for Technology
- \$421,500 for Improvements to Athletic Fields

In addition to the prescribed funding for capital outlay, the Session Law dictates that "on or before August 1, 2014, the Union County Board of Commissioners and the Union County Schools shall jointly establish a working group to develop a multiyear plan to address existing and ongoing capital needs of the Union County Schools. The working group shall consist of up to 14 people, half appointed by each board. The working group shall



complete its work and report to the Union County Board of Commissioners and the Union County Schools on or before June 30, 2015.”

It is anticipated that this working group will provide a recommendation to the Board of County Commissioners for long-term capital planning as well as affordable funding strategies to achieve those plans.

Improving Communication and Transparency

In addition to the fiscal aspects of the budget ordinance, the Board of County Commissioners worked to ensure transparency and communication throughout the year. To achieve this the Board exercised its legal rights, in accordance with the General Statutes of the State of North Carolina Chapter 115-429(c), which states that the Board of County Commissioners has the right to request books, records, audit reports, and other information bearing on the financial operations of UCPS.

To ensure communication and transparency, the following information is requested by the BOCC as part of the adopted FY 2015 Operating and Capital Budget Ordinance:

- A monthly report of monthly and cumulative revenues and expenditures, by function code, for all funds by fund. In addition, the original adopted budget and revised or amended budget for revenues and expenditures, by function code. This information is requested within ten business days of the close of each month, beginning with the close of September 2014.
- A monthly report of monthly expenditures, by project for each of the categories outlined in section XXIII and “Attachment C – Capital Projects Ordinance”, including a brief summary of the status of the project.
- A monthly report of monthly expenditures, by project for all other capital projects, including a brief summary of the status of the project.
- A monthly report of transfers between function codes for all funds by fund.
- A monthly personnel count of locally funded employees and state funded employees broken down by function code from which they are paid, furthermore, the Board of County Commissioners requests not to receive the payroll records in response to this request.
- A monthly ADM count.

- A certification by the Board of Education that the funding, as prescribed by Section XXII and Section XXIII, was expended for the prescribed purpose, and if not, where the funding was spent otherwise.

In addition to the information requested, the Board of Education is requested to provide this information in an electronically readable and searchable format, or other medium as agreed upon by the County Manager, to the County Manager for provision to the Board of County

This information will be compiled monthly and published, along with the County’s financial information.

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UCPS Capital Program

Projects

Project Sources and Uses		Project To-Date Appropriation	Adopted FY 2015	Total Appropriation
<i>REVENUE</i>				
General PayGo		-23,240,006	-19,531,582	-42,771,588
Total Sources		-23,240,006	-19,531,582	-42,771,588
<i>EXPENDITURES</i>				
Benton Heights Elementary	Benton Heights Elementary Roof	505,395	0	505,395
Benton Heights Elementary	Fire Alarm	0	57,000	57,000
Benton Heights Elementary	Flooring	0	24,150	24,150
Benton Heights Elementary	Partial Roofing Building 1(870 sf)	0	16,500	16,500
Central Academy of Technology and Arts	Partial Roofing	0	667,500	667,500
Central Academy of Technology and Arts	Partitions Replacement in Restrooms	0	30,000	30,000
Central Academy of Technology and Arts	Strategic Fencing and HID's	0	11,250	11,250
Cosmetology	Fire Alarm	0	35,000	35,000
Cosmetology	Security System	0	15,000	15,000
Cuthbertson High School	Strategic Fencing and HID's	0	4,500	4,500
Cuthbertson Middle School	Strategic Fencing and HID's	0	2,250	2,250
East Elementary	Fire Alarm	0	51,250	51,250
East Union Middle	Administration A/R	0	49,391	49,391
East Union Middle	East Union Middle Roof	326,970	0	326,970
East Union Middle	Fire Alarm	0	57,000	57,000
East Union Middle	Partial Roofing	0	61,550	61,550
East Union Middle	Security System	0	17,000	17,000
East Union Middle	Strategic Fencing and HID's	0	9,250	9,250
Forest Hills High	ADA Issues on Playfields	0	97,680	97,680
Forest Hills High	Electric Water Cooler Replacement	0	11,000	11,000
Forest Hills High	Forest Hills High Roof	406,485	0	406,485
Forest Hills High	Handrails/Ramps	0	38,500	38,500
Forest Hills High	Partial Roofing	0	508,500	508,500
Forest Hills High	Stadium emergency lights	0	16,500	16,500
Forest Hills High	Strategic Fencing and HID's	0	11,750	11,750

UCPS Capital Program

Projects

Project Sources and Uses		Project To-Date Appropriation	Adopted FY 2015	Total Appropriation
<i>EXPENDITURES</i>				
Hemby Bridge Elementary	Fire Alarm	0	55,000	55,000
Hemby Bridge Elementary	Hemby Bridge Elementary Roof	307,350	0	307,350
Hemby Bridge Elementary	Partial Roofing	0	36,650	36,650
Indian Trail Elementary	ADA access	0	75,000	75,000
Indian Trail Elementary	Electrical Upgrades	0	51,230	51,230
Indian Trail Elementary	Indian Trail Elementary Roof	355,065	0	355,065
Indian Trail Elementary	Partial Roofing	0	389,900	389,900
Marshville Elementary	Marshville Elementary Roof	425,685	0	425,685
Marvin Ridge High	Strategic Fencing and HID's	0	13,500	13,500
Marvin Ridge Middle	Strategic Fencing and HID's	0	11,250	11,250
Monroe High	Monroe High Roof	300,050	0	300,050
Monroe High	Partial Roofing	0	712,900	712,900
Monroe High	Security System	0	15,000	15,000
Monroe High	Sidewalk Repair	0	28,000	28,000
Monroe High	Strategic Fencing and HID's	0	18,750	18,750
Monroe Middle	Monroe Middle Roof	157,410	0	157,410
Monroe Middle	Partial Roofing	0	33,200	33,200
Monroe Middle	Restroom Renovations	0	210,000	210,000
Monroe Middle	Strategic Fencing and HID's	0	8,750	8,750
New Salem Elementary	New Salem Elementary Roof	312,150	0	312,150
Old Fairview	Fire Alarm	0	57,000	57,000
Old Fairview	Security System	0	17,000	17,000
Parkwood High	Fire Alarm	0	57,000	57,000
Parkwood High	Parkwood High Roof	563,940	0	563,940
Parkwood High	Partial Roofing	0	960,450	960,450
Parkwood High	Replace Track	0	405,000	405,000
Parkwood Middle	Exterior Door Replacement	0	70,000	70,000
Parkwood Middle	Install Entry Vestibule	0	37,500	37,500

UCPS Capital Program

Projects

Project Sources and Uses		Project To-Date Appropriation	Adopted FY 2015	Total Appropriation
<i>EXPENDITURES</i>				
Parkwood Middle	Parkwood Middle Roof	1,477,380	0	1,477,380
Parkwood Middle	Partitions Replacement in Restrooms	0	100,000	100,000
Parkwood Middle	Strategic Fencing and HID's	0	11,400	11,400
Piedmont High	Piedmont High Roof	136,000	0	136,000
Piedmont High	Security System	0	19,000	19,000
Piedmont High	Strategic Fencing and HID's	0	14,500	14,500
Piedmont High	UCPS - Piedmont High School Stadium	1,742,334	0	1,742,334
Piedmont Middle	Install Entry Vestibule	0	37,500	37,500
Piedmont Middle	Partial Roofing	0	1,081,900	1,081,900
Piedmont Middle	Piedmont Middle Roof	34,950	0	34,950
Piedmont Middle	Stormwater Replacement	0	175,000	175,000
Piedmont Middle	Strategic Fencing and HID's	0	12,250	12,250
Porter Ridge High	Strategic Fencing and HID's	0	13,500	13,500
Porter Ridge Middle	Strategic Fencing and HID's	0	11,250	11,250
Prospect Elementary	ADA Project	0	152,781	152,781
Prospect Elementary	Flooring	0	252,415	252,415
Prospect Elementary	Partitions Replacement in Restrooms	0	30,000	30,000
Prospect Elementary	Toilet Rooms	0	86,781	86,781
Rock Rest Elementary	Classroom A/R	0	1,951,000	1,951,000
Sardis Elementary	Fire Alarm	0	55,000	55,000
South Providence School	Partitions Replacement in Restrooms	0	15,000	15,000
South Providence School	South Providence Roof	487,140	0	487,140
South Providence School	Strategic Fencing and HID's	0	7,250	7,250
Sun Valley High	Partial Roofing	0	565,500	565,500
Sun Valley High	Replace VCT	0	93,620	93,620
Sun Valley High	Strategic Fencing and HID's	0	13,250	13,250
Sun Valley High	Sun Valley High Roof	503,200	0	503,200
Sun Valley Middle	Install Entry Vestibule	0	37,500	37,500

UCPS Capital Program

Projects

Project Sources and Uses		Project To-Date Appropriation	Adopted FY 2015	Total Appropriation
<i>EXPENDITURES</i>				
Sun Valley Middle	Partial Roofing	0	461,000	461,000
Sun Valley Middle	Partitions and Fixture Replacement in Restrooms	0	65,000	65,000
Sun Valley Middle	Security System	0	17,000	17,000
Sun Valley Middle	Strategic Fencing and HID's	0	11,550	11,550
Sun Valley Middle	Sun Valley Middle Roof	1,091,400	0	1,091,400
Technology Services	Technical Services Roof	204,315	0	204,315
UCPS Facility/Maintenance	Fire Alarm	0	42,500	42,500
Union Elementary	Fire Alarm	0	55,000	55,000
Unionville Elementary	Unionville Elementary Roof	13,680	0	13,680
Various	Additional Capital Outlay FY 2014	5,357,859	0	5,357,859
Various	Capital Outlay Alloc - FY 2011	1,303,552	0	1,303,552
Various	Capital Outlay Alloc - FY 2013	4,000,000	0	4,000,000
Various	Roofing Maintenance	0	325,000	325,000
Various	UCPS - Other Facilities, ADA, & IT	230,791	0	230,791
Various	UCPS - Safety And Security	1,026,875	0	1,026,875
Various	UCPS Buses	0	84,444	84,444
Various	UCPS Technology	0	377,359	377,359
Walter Bickett Education Center	Security Key Pad	0	5,000	5,000
Walter Bickett Education Center	Walter Bickett Education Center Roof	622,440	0	622,440
Walter Bickett Elementary	Classroom A/R	0	1,876,000	1,876,000
Weddington Elementary	Weddington Middle/Elementary Roof	349,665	0	349,665
Weddington High	Strategic Fencing and HID's	0	6,750	6,750
Weddington Middle	Partial Roofing	0	2,585,500	2,585,500
Weddington Middle	Strategic Fencing and HID's	0	2,250	2,250
Wesley Chapel Elementary	Partitions and Fixture Replacement in Restrooms	0	63,495	63,495
Wesley Chapel Elementary	Wesley Chapel Elementary Roof	39,300	0	39,300
Wesley Chapel Elementary	Wiring	0	13,200	13,200
Western Union Elementary	Flooring	0	241,699	241,699

UCPS Capital Program

Projects

Project Sources and Uses		Project To-Date Appropriation	Adopted FY 2015	Total Appropriation
<i>EXPENDITURES</i>				
Western Union Elementary	Partial Roofing	0	1,002,900	1,002,900
Western Union Elementary	Western Union Elementary Roof	288,500	0	288,500
Western Union Elementary	Wiring	0	18,500	18,500
Wingate Elementary	Classroom and Office A/R	0	2,485,437	2,485,437
Wingate Elementary	Wingate Elementary Roof	670,125	0	670,125
Total Projects		23,240,006	19,531,582	42,771,588