

General Capital Program

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

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

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

Program Highlights

The GCP consists of nineteen capital programs and forty-one specific projects. The programs focus on specific service areas within County Government.

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

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

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

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. The SPCC program also contains a few smaller technology and facility maintenance and renewal projects.

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, an expansion of the Agriculture Center for a Pavilion, as well as future Park Development and Renewal. The Park Development program includes a Master Plan.

The Emergency Management Services area includes a new Emergency Services Center to house E911 and Emergency Management Administration as well as an Emergency Medical Service Base Station.

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

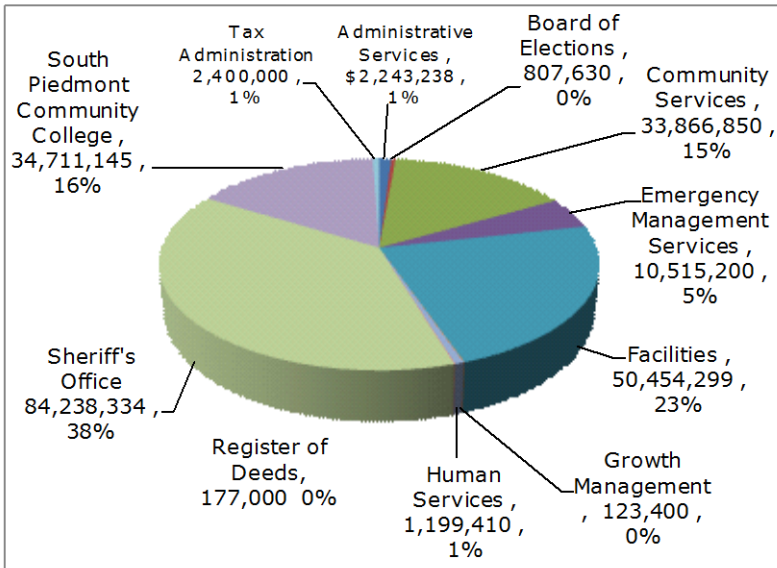
The Board of Elections will be required by N.C. General Statute 163.165 to replace voting equipment. New voting equipment must be in operations by Jan 1, 2018. The new law mandates that all voting equipment must produce a paper record of votes cast and provide a backup means of counting the vote that a voter casts. This will ban the touch-screen voting machines currently used by the County. The Board of Elections voting equipment replacement cost is estimated at \$807,630.

THIS SPACE INTENTIONALLY
LEFT BLANK



The following graph represents the total amount of the GCP at the Service Area level.

General Capital Six-Year Program	Service Area Total
Administrative Services	\$ 2,243,238
Board of Elections	807,630
Community Services	33,866,850
Emergency Management Services	10,515,200
Facilities	50,454,299
Growth Management	123,400
Human Services	1,199,410
Register of Deeds	177,000
Sheriff's Office	84,238,334
South Piedmont Community College	34,711,145
Tax Administration	1,200,000
Total General Capital Programs	\$ 219,536,506



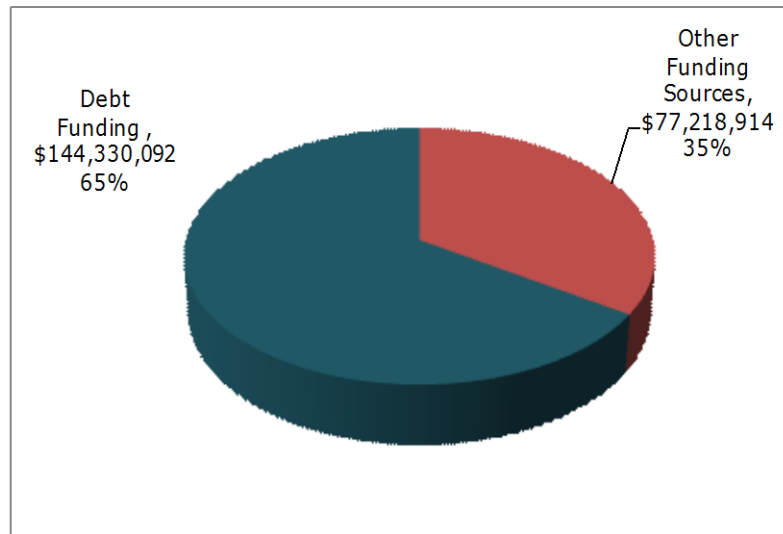
Within the Service Areas are nineteen capital programs. The following chart shows the various programs located within each service area.

General Capital Six-Year Program	Program Total
Administrative Services	
IT Infrastructure and Efficiency Enhancements	\$ 2,243,238
Total Administrative Services	2,243,238
Board of Elections	
Board of Elections Voting Equipment	807,630
Total Board of Elections	807,630
Community Services	
Ag Center Facility Expansion and Improvements	5,877,353
Facilities Maintenance and Renewal	1,360,000
IT Infrastructure and Efficiency Enhancements	-
Jesse Helms Park Development	9,019,691
Library Expansion and Development	17,321,706
Park Development and Renewal	288,100
Total Community Services	33,866,850
Emergency Management Services	
Emergency Management	10,515,200
Total Emergency Management Services	10,515,200
Facilities	
Facilities Maintenance and Renewal	8,304,299
Human Services Campus	42,150,000
Total Facilities	50,454,299
Growth Management	
Growth Management	123,400
Total Growth Management	123,400
Human Services	
Automation and Record Management	1,199,410
Total Human Services	1,199,410
Register of Deeds	
Redaction Project	177,000
Total Register of Deeds	177,000
Sheriff's Office	
Firearms Training and Qualification Range	8,555,665
Jail and Sheriff's Office Replacement and Expansion	74,624,969
Renovations	1,057,700
Total Sheriff's Office	84,238,334
South Piedmont Community College	
South Piedmont Community College	34,711,145
Total SPCC	34,711,145
Tax Administration	
Tax Assessor Software Replacement	1,200,000
Total Tax Administration	1,200,000
Total General Capital Programs	\$ 219,536,506



Funding of the 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	\$ 66,462,699	\$ 992,500	\$ 67,455,199
FY 2017 Adopted	3,844,915	-	3,844,915
FY 2018 Planned	1,133,600	4,884,763	6,018,363
FY 2019 Planned	730,200	23,974,118	24,704,318
FY 2020 Planned	2,335,000	106,593,749	108,928,749
FY 2021 Planned	350,000	7,884,962	8,234,962
FY 2022 Planned	350,000	-	350,000
Total	\$ 75,206,414	\$ 144,330,092	\$ 219,536,506



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 list which programs with proposed funding through General Obligation Bonds.

New General Obligation Bonds	Program Total
Emergency Management Facility	\$ 8,150,000
Jail and Sheriff's Office Replacement and Expansion Program	72,729,924
Jesse Helms Park Development	7,500,249
Library Expansion and Development	17,321,706
4H Pavilion and Ancillary Facilities	5,697,353
South Piedmont Community College	31,130,730
Total GO Bond Funding	\$ 142,529,962

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 2017 is anticipated to generate \$2,374,927. The new GO Bonds would require an increase of approximately 6.02 cents by FY 2022.

Given the planned projects, and assuming a successful referendum, the total new general obligation debt for general capital projects would increase by about \$142.5 million by referendum. Assuming market conditions and other factors, the County's debt service for general capital projects would increase a total of \$13.95 million for both general government purpose debt and educational purpose debt, by the end of FY 2020.

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	\$ 2,404,991	\$ 503,795	\$ 2,908,786
FY 2017 Planned	2,415,580	431,755	2,847,335
FY 2018 Planned	3,115,047	7,502,742	10,617,789
FY 2019 Planned	10,269,362	7,058,195	17,327,556
FY 2020 Planned	9,095,687	7,058,195	16,153,882
FY 2021 Planned	8,333,787	6,636,543	14,970,330
FY 2022 Planned	8,324,029	6,233,472	14,557,502
Total	\$ 43,958,484	\$ 35,424,696	\$ 79,383,180

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 \$3.04 million by the end of FY 2020, assuming market conditions and other factors.

The following chart represents the future anticipated debt service payments beginning in FY 2019, 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 2019 Planned	\$ 1,944,272	\$ 1,618,889	\$ 3,563,161
FY 2020 Planned	1,935,769	1,530,576	3,466,345
FY 2021 Planned	1,778,920	1,440,309	3,219,229
FY 2022 Planned	1,777,438	1,353,851	3,131,289
Total	\$ 7,436,399	\$ 5,943,625	\$ 13,380,024

The GCP includes an additional \$807,630 of installment financing. This financing will be used to replace the Board Election's voting equipment. 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 GCP includes the use of \$73.8 million of PayGo funding. The majority of the PayGo funding was previously appropriated funding in the amount of \$65.4 million. The majority of this funding was from the one-time hospital lease revenue, based on Board direction, \$35.1 million of the hospital lease revenue was appropriated for the Human Services Campus.

In addition to the Human Services Facility of an additional \$7 million of PayGo, the Firearms Training and Qualifications Range was previously funded through \$8.5 million of PayGo.

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

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

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

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 2017-2022						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
General Capital Program							
Board of Elections							
Voting Equipment	107,000	65,000	65,000	65,000	65,000	65,000	432,000
Total Board of Elections	107,000	65,000	65,000	65,000	65,000	65,000	432,000
Administrative Services							
IT Infrastructure and Efficiency Enhancements	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	-	-	591,160	576,381	561,602	546,823	2,275,966
Facilities Maintenance and Renewal	-	-	-	-	-	-	-
Jesse Helms Park Development	-	-	771,900	933,441	914,144	894,846	3,514,331
Library Expansion and Development	-	-	1,756,501	2,336,992	2,293,079	2,605,171	8,991,743
Park Development and Renewal	-	7,500	7,500	7,500	7,500	7,500	37,500
Total Community Services	-	7,500	3,127,061	3,854,314	3,776,325	4,054,340	14,819,540
Emergency Management Services							
Emergency Management Facility	-	837,038	816,112	795,186	774,260	753,334	3,975,930
Total Emergency Management Service	-	837,038	816,112	795,186	774,260	753,334	3,975,930
Facilities							
Facilities Maintenance and Renewal	-	-	-	-	-	-	-
Human Services Campus	-	(469,667)	(469,667)	(469,667)	(469,667)	(469,667)	(2,348,335)
Total Facilities	-	(469,667)	(469,667)	(469,667)	(469,667)	(469,667)	(2,348,335)
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	-	-	7,311,175	7,128,396	6,945,616	6,762,837	28,148,024
Law Enforcement Facilities Expansion and Renovations	-	-	-	-	-	-	-
Total Sheriff's Office	-	-	7,311,175	7,128,396	6,945,616	6,762,837	28,148,024
Community Partners							
South Piedmont Community College	-	-	3,153,500	3,074,500	2,995,500	2,916,500	12,140,000
Total Community Partners	-	-	3,153,500	3,074,500	2,995,500	2,916,500	12,140,000
Tax Administration							
Tax Assessor Software Replacement	226,335	226,335	226,335	237,650	249,530	249,530	1,415,715
Total Tax Administration	226,335	226,335	226,335	237,650	249,530	249,530	1,415,715
Total Operating Budget Impact	\$ 680,231	\$ 1,013,102	\$ 14,576,412	\$ 15,032,275	\$ 14,683,460	\$ 14,678,770	\$ 60,664,250



General Capital Program

Section Summary

Resource Summary

Summary	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	-4,077,133	-23,974,118	-106,593,749	-7,884,962	0	-142,529,962
General Pay Go	-64,709,120	-3,844,915	-1,133,600	-730,200	-2,335,000	-350,000	-350,000	-73,452,835
GO Bonds	-992,500	0	0	0	0	0	0	-992,500
Grant Funding	-512,205	0	0	0	0	0	0	-512,205
Installment Financing	0	0	-807,630	0	0	0	0	-807,630
Other Activities	-913,874	0	0	0	0	0	0	-913,874
Utility Pay Go	-327,500	0	0	0	0	0	0	-327,500
Total REVENUE	-67,455,199	-3,844,915	-6,018,363	-24,704,318	-108,928,749	-8,234,962	-350,000	-219,536,506

Programs	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Board of Elections								
Board of Elections	0	0	807,630	0	0	0	0	807,630
Total Board of Elections	0	0	807,630	0	0	0	0	807,630
Building Code Enforcement								
Growth Management	123,400	0	0	0	0	0	0	123,400
Total Building Code Enforcement	123,400	0	0	0	0	0	0	123,400
Community Partners								
South Piedmont Community College	1,750,000	1,830,415	0	0	31,130,730	0	0	34,711,145
Total Community Partners	1,750,000	1,830,415	0	0	31,130,730	0	0	34,711,145
Cooperative Extension								
Agriculture Center Facility Expansion and Improvements	80,000	100,000	743,133	0	4,954,220	0	0	5,877,353
Total Cooperative Extension	80,000	100,000	743,133	0	4,954,220	0	0	5,877,353
Emergency Management								
Emergency Management	80,000	-80,000	1,700,000	6,830,200	1,985,000	0	0	10,515,200

General Capital Program

Section Summary

Resource Summary

Programs	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total	
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022		
Emergency Management									
Total Emergency Management	80,000	-80,000	1,700,000	6,830,200	1,985,000	0	0	10,515,200	
Facilities Management									
Facilities Maintenance and Renewal	7,054,299	125,000	225,000	225,000	225,000	225,000	225,000	8,304,299	
Human Services Campus	42,150,000	0	0	0	0	0	0	42,150,000	
Total Facilities Management	49,204,299	125,000	225,000	225,000	225,000	225,000	225,000	50,454,299	
Information Technology									
IT Infrastructure and Efficiency Enhancements	2,420,238	0	0	0	0	0	0	2,420,238	
Total Information Technology	2,420,238	0	0	0	0	0	0	2,420,238	
Library									
Facilities Maintenance and Renewal	250,000	485,000	125,000	125,000	125,000	125,000	125,000	1,360,000	
IT Infrastructure and Efficiency Enhancements	0	0	0	0	0	0	0	0	
Library Expansion and Development	0	0	1,634,000	6,852,744	950,000	7,884,962	0	17,321,706	
Total Library	250,000	485,000	1,759,000	6,977,744	1,075,000	8,009,962	125,000	18,681,706	
Parks & Recreation									
Jesse Helms Park Development	1,519,442	0	0	519,858	6,980,391	0	0	9,019,691	
Park Development and Renewal	100,000	104,500	83,600	0	0	0	0	288,100	
Total Parks & Recreation	1,619,442	104,500	83,600	519,858	6,980,391	0	0	9,307,791	
Public Health									
Human Services Automation and Record Management	175,000	0	0	0	0	0	0	175,000	
Total Public Health	175,000	0	0	0	0	0	0	175,000	
Sheriff's Office									
Firearms Training and Qualifications Range	8,555,665	0	0	0	0	0	0	8,555,665	

General Capital Program

Section Summary

Resource Summary

Programs	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Sheriff's Office								
Jail and Sheriff's Office Replacement and Expansion Program	1,895,045	0	0	10,151,516	62,578,408	0	0	74,624,969
Law Enforcement Facilities Expansion & Renovations	277,700	80,000	700,000	0	0	0	0	1,057,700
Total Sheriff's Office	10,728,410	80,000	700,000	10,151,516	62,578,408	0	0	84,238,334
Social Services								
Human Services Automation and Record Management	1,024,410	0	0	0	0	0	0	1,024,410
Total Social Services	1,024,410	0	0	0	0	0	0	1,024,410
Tax Administration								
Tax Assessment and Administration Software Replacement	0	1,200,000	0	0	0	0	0	1,200,000
Total Tax Administration	0	1,200,000	0	0	0	0	0	1,200,000
Total Expenditures	67,455,199	3,844,915	6,018,363	24,704,318	108,928,749	8,234,962	350,000	219,536,506

Agriculture Center Facility Expansion and Improvements

Program Detail

Program Scope

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

Program Operating Budget Impact

The operating cost will become better defined as the projects and operating plans are further developed. After the study is complete if the direction of the Commission is to construct the 4H Pavilion it would require that General Obligation Bonds be issued in FY 2018. The operating impact from the issuance of General Obligation Bonds of \$5,697,353 will have a maximum annual debt service impact for this program of \$591,160.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	-743,133	0	-4,954,220	0	0	-5,697,353
General Pay Go	-80,000	-100,000	0	0	0	0	0	-180,000
Total REVENUE	-80,000	-100,000	-743,133	0	-4,954,220	0	0	-5,877,353

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PR001 Ag Center Digital Display Sign	0	100,000	0	0	0	0	0	100,000
PR067 4H Pavilion/Ancillary Facilities	80,000	0	743,133	0	4,954,220	0	0	5,777,353
Total EXPENDITURES	80,000	100,000	743,133	0	4,954,220	0	0	5,877,353

Ag Center Digital Display Sign

Project Detail

Agriculture Center Facility Expansion and Improvements

Project Scope

This project provides for the purchase of a digital display sign located on Hwy 74 at the Union County Agriculture Center (Ag Center).

Project Justification and History

In order to facilitate the advertising of programs and events at the Ag Center a modern display sign is needed. Consumers seek different methods of information today. Thousands, if not tens of thousands, of motor vehicles pass the Ag Center entrance twice per day and perhaps 40% or less have ever seen the Ag Center or been to a program or event. Limited size and type of signage are allowed by local governments. The amount of information we could convey in this format is significant. With remote programmability, we can change the engagement level of viewers and push the limits of potential clientele. This could be a significant piece of a total marketing plan for many county efforts.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
General Pay Go	0	-100,000	0	0	0	0	0	-100,000
Total REVENUE	0	-100,000	0	0	0	0	0	-100,000
<i>EXPENDITURES</i>								
Other Activities	0	100,000	0	0	0	0	0	100,000
Total EXPENDITURES	0	100,000	0	0	0	0	0	100,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

4H Pavilion/Ancillary Facilities

Project Detail

Agriculture Center Facility Expansion and Improvements

Project Scope

Project provides for a feasibility study, design, and construction 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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	-743,133	0	-4,954,220	0	0	-5,697,353
General Pay Go	-80,000	0	0	0	0	0	0	-80,000
Total REVENUE	-80,000	0	-743,133	0	-4,954,220	0	0	-5,777,353
EXPENDITURES								
Construction	0	0	0	0	4,954,220	0	0	4,954,220
Design & Engineering	0	0	743,133	0	0	0	0	743,133
Other Activities	80,000	0	0	0	0	0	0	80,000
Total EXPENDITURES	80,000	0	743,133	0	4,954,220	0	0	5,777,353
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Board of Elections

Program Detail

Program Scope

Program will provide for the ongoing need to update, implement, and purchase voting equipment as required by the State Board of Elections.

Program Operating Budget Impact

The operating expenditures associated with voting equipment for Board of Elections will include annual maintenance and renewal.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Installment Financing	0	0	-807,630	0	0	0	0	-807,630
Total REVENUE	0	0	-807,630	0	0	0	0	-807,630

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PR002 Board of Elections Voting Equipment	0	0	807,630	0	0	0	0	807,630
Total EXPENDITURES	0	0	807,630	0	0	0	0	807,630

Board of Elections Voting Equipment

Project Detail

Board of Elections

Project Scope

Project provides for the replacement Union County Board of Election's voting equipment.

Project Justification and History

The current voting equipment will be decertified on January 1, 2018. Session Law 2015-103 (HB836), counties which use any direct record electronic (DRE) voting systems currently certified by the State Board of Elections which do not use paper ballots shall be decertified and shall not be used in any election held on or after September 1, 2019, for counties that use direct record electronic voting machines on election day as of January 1, 2015, and January 1, 2018 for all other counties. Union County uses direct record electronic voting systems only for one-stop voting and not on Election Day. The State Board of Elections has confirmed to the Board of Elections via email that Union County must use the decertification date of January 1, 2018. Union County Board of Elections has determined that the new voting system for Union County should be purchased for arrival in early 2017 for training the precinct workers during the summer months before being used for the October and November Municipal Elections. This enables the Board of Elections to be trained and prepared for the spring 2018 Primary. The Express Vote units are in the final stages of approval by the SBOE.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Installment Financing	0	0	-807,630	0	0	0	0	-807,630
Total REVENUE	0	0	-807,630	0	0	0	0	-807,630
EXPENDITURES								
FF&E	0	0	807,630	0	0	0	0	807,630
Total EXPENDITURES	0	0	807,630	0	0	0	0	807,630
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Emergency Management

Program Detail

Program Scope

Program provides for the capital improvement needs of Emergency Management Services including Communications and Fire Services.

Program Operating Budget Impact

These expenditures primarily represent improvements to Emergency Management capital equipment and new infrastructure for E911. The operating impact for improvements to capital equipment should be minimal. The Emergency Management Facility is funded from the issuance of General Obligation Bonds of \$8,150,000 in FY 2018. The maximum annual debt service impact for this program will be \$837,038 and is projected to begin in FY 2019 and retire in FY 2038.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	-1,700,000	-6,450,000	0	0	0	-8,150,000
General Pay Go	-80,000	80,000	0	-380,200	-1,985,000	0	0	-2,365,200
Total REVENUE	-80,000	80,000	-1,700,000	-6,830,200	-1,985,000	0	0	-10,515,200
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
EM001 Emergency Services Base Station	0	0	0	380,200	1,985,000	0	0	2,365,200
PR075 Emergency Services Facility	80,000	-80,000	1,700,000	6,450,000	0	0	0	8,150,000
Total EXPENDITURES	80,000	-80,000	1,700,000	6,830,200	1,985,000	0	0	10,515,200

Emergency Services Base Station

Project Detail

EM001

Emergency Management

Project Scope

Construction of an Emergency Services Base to house Union EMS western operations as well as functions of Union County Emergency Services. The building is proposed to include four drive through bays and house offices, a training room, storage and other necessary space to facilitate provision of service. An emergency generator would also be required at this location.

Project Justification and History

Currently Union EMS operates a base sub-station on Williams Rescue Road. This structure was used by a rescue squad and over time transitioned to EMS. The building was constructed in 1975 and proper maintenance has been not been done to the structure over the ensuing years. In addition to the building being in poor shape, there appear to be two sink holes in the parking lot and voids under the concrete ramps for trucks to enter the bays.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	0	0	-380,200	-1,985,000	0	0	-2,365,200
Total REVENUE	0	0	0	-380,200	-1,985,000	0	0	-2,365,200
EXPENDITURES								
Construction	0	0	0	0	1,860,000	0	0	1,860,000
Design & Engineering	0	0	0	130,200	0	0	0	130,200
FF&E	0	0	0	0	125,000	0	0	125,000
Land Acquisition	0	0	0	250,000	0	0	0	250,000
Total EXPENDITURES	0	0	0	380,200	1,985,000	0	0	2,365,200
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Emergency Services Facility

Project Detail

PR075

Emergency Management

Project Scope

This project provides for the construction of the Union County Emergency Services Facility. Project provides for a study, the detailed design, necessary infrastructure and facilities development including power supply, land acquisition, building design to 911 required compliance, EMA/Fire Marshal/ES uses and related development needs. Estimated 30,000 square foot facility.

Project Justification and History

The Union County Emergency Communications Department remodeled in September, 2011 with the plan to move to a more permanent facility within 3-5 years.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total		
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022			
REVENUE										
FY 2018 General Obligation Bonds	0	0	-1,700,000	-6,450,000	0	0	0	0	-8,150,000	
General Pay Go	-80,000	80,000	0	0	0	0	0	0	0	
Total REVENUE	-80,000	80,000	-1,700,000	-6,450,000	0	0	0	0	-8,150,000	
EXPENDITURES										
Construction	0	0	0	6,150,000	0	0	0	0	6,150,000	
Design and Engineering	0	0	1,200,000	0	0	0	0	0	1,200,000	
FF&E	0	0	0	300,000	0	0	0	0	300,000	
Land Acquisition	0	0	500,000	0	0	0	0	0	500,000	
Study	80,000	-80,000	0	0	0	0	0	0	0	
Total EXPENDITURES	80,000	-80,000	1,700,000	6,450,000	0	0	0	0	8,150,000	
Revenue (Over)/Under Exp.	0	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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-6,454,368	-610,000	-350,000	-350,000	-350,000	-350,000	-350,000	-8,814,368
Other Activities	-849,931	0	0	0	0	0	0	-849,931
Total REVENUE	-7,304,299	-610,000	-350,000	-350,000	-350,000	-350,000	-350,000	-9,664,299

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
LIB003 Carpet Replacement at Monroe Library	0	360,000	0	0	0	0	0	360,000
PR028 Historic Post Office Renovations	160,151	0	0	0	0	0	0	160,151
PR056 Energy Savings Project	168,235	0	0	0	0	0	0	168,235
PR064 Historic Courthouse Renovation	75,000	0	100,000	100,000	100,000	100,000	100,000	575,000
PR070 Monroe Main Lib Chiller Replc	200,000	0	0	0	0	0	0	200,000
PR071 County Facilities Repair	250,000	125,000	125,000	125,000	125,000	125,000	125,000	1,000,000
PR072 Community Services Replacement And Renewal	250,000	125,000	125,000	125,000	125,000	125,000	125,000	1,000,000
PR074 Audio Visual Equipment	550,000	0	0	0	0	0	0	550,000
PR280 2005GS2, 2006GS4 - GOV FAC RENOV	5,650,913	0	0	0	0	0	0	5,650,913

Facilities Maintenance and Renewal

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Total EXPENDITURES	7,304,299	610,000	350,000	350,000	350,000	350,000	350,000	9,664,299

Carpet Replacement at Monroe Library

Project Detail

Facilities Maintenance and Renewal

Project Scope

Project provides for 43,000 square foot of carpet replacement at the Main Library in Monroe.

Project Justification and History

The carpet at the Monroe Library has been in place since the early 2000s. The carpet is discolored and worn in several areas throughout the library.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	-360,000	0	0	0	0	0	-360,000
Total REVENUE	0	-360,000	0	0	0	0	0	-360,000
EXPENDITURES								
Construction	0	360,000	0	0	0	0	0	360,000
Total EXPENDITURES	0	360,000	0	0	0	0	0	360,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Historic Post Office Renovations

Project Detail

Facilities Maintenance and Renewal

Project Scope

Project provides for renovations to the Historic Old Post Office.

Project Justification and History

Previously approved capital project adopted by BOCC in FY 2006.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-160,151	0	0	0	0	0	0	-160,151
Total REVENUE	-160,151	0	0	0	0	0	0	-160,151
EXPENDITURES								
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 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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-151,872	0	0	0	0	0	0	-151,872
Other Activities	-16,363	0	0	0	0	0	0	-16,363
Total REVENUE	-168,235	0	0	0	0	0	0	-168,235
EXPENDITURES								
Other Activities	168,235	0	0	0	0	0	0	168,235
Total EXPENDITURES	168,235	0	0	0	0	0	0	168,235
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Historic Courthouse Renovation

Project Detail

Facilities Maintenance and Renewal

Project Scope

Project provides for a study of the Historic County Courthouse. The study will include a plan for renovation. Once the study is complete the study will be the basis for future renovation and restoration projects.

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. Additional roof repair will be necessary in the future.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-75,000	0	-100,000	-100,000	-100,000	-100,000	-100,000	-575,000
Total REVENUE	-75,000	0	-100,000	-100,000	-100,000	-100,000	-100,000	-575,000
EXPENDITURES								
Construction	0	0	100,000	100,000	100,000	100,000	100,000	500,000
Studies	75,000	0	0	0	0	0	0	75,000
Total EXPENDITURES	75,000	0	100,000	100,000	100,000	100,000	100,000	575,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Monroe Main Lib Chiller Replc

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
General Pay Go	-200,000	0	0	0	0	0	0	-200,000
Total REVENUE	-200,000	0	0	0	0	0	0	-200,000
<i>EXPENDITURES</i>								
Construction	200,000	0	0	0	0	0	0	200,000
Total EXPENDITURES	200,000	0	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 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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-250,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-1,000,000
Total REVENUE	-250,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-1,000,000
EXPENDITURES								
Other Activities	250,000	125,000	125,000	125,000	125,000	125,000	125,000	1,000,000
Total EXPENDITURES	250,000	125,000	125,000	125,000	125,000	125,000	125,000	1,000,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Community Services Replacement And Renewal

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-250,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-1,000,000
Total REVENUE	-250,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-1,000,000
EXPENDITURES								
Other Activities	250,000	125,000	125,000	125,000	125,000	125,000	125,000	1,000,000
Total EXPENDITURES	250,000	125,000	125,000	125,000	125,000	125,000	125,000	1,000,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Audio Visual Equipment

Project Detail

Facilities Maintenance and Renewal

Project Scope

Audio Visual Equipment replacement in County Facilities.

Project Justification and History

The majority of the AV equipment in County facilities is at least ten years old. AV equipment typically has about an eight year life expectancy due to potential failure and the equipment becoming obsolete due to improvements in technology. The AV equipment in the courtrooms at the Union County Judicial Center is especially critical and is in almost constant use. A major failure in any of the courtrooms would have a significant impact on the Courts ability to conduct their daily operations. While the Agricultural Center has had some significant upgrades to its AV system during the FY15 fiscal year there are several remaining needs to include the replacement of the projectors and screens in two of the three main function halls. The AV equipment in the Government Center, especially in the Commissioners’ meeting chambers, is in need of upgrades to improve both reliability and broadcast quality.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-550,000	0	0	0	0	0	0	-550,000
Total REVENUE	-550,000	0	0	0	0	0	0	-550,000
EXPENDITURES								
FF&E	550,000	0	0	0	0	0	0	550,000
Total EXPENDITURES	550,000	0	0	0	0	0	0	550,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

2005GS2, 2006GS4 - GOV FAC RENOV

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-4,817,345	0	0	0	0	0	0	-4,817,345
Other Activities	-833,568	0	0	0	0	0	0	-833,568
Total REVENUE	-5,650,913	0	0	0	0	0	0	-5,650,913
EXPENDITURES								
Construction	5,650,913	0	0	0	0	0	0	5,650,913
Total EXPENDITURES	5,650,913	0	0	0	0	0	0	5,650,913
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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-7,996,838	0	0	0	0	0	0	-7,996,838
GO Bonds	-525,000	0	0	0	0	0	0	-525,000
Other Activities	-33,827	0	0	0	0	0	0	-33,827
Total REVENUE	-8,555,665	0	0	0	0	0	0	-8,555,665

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PR020 Law Enforcement - Firearms Range	8,555,665	0	0	0	0	0	0	8,555,665
Total EXPENDITURES	8,555,665	0	0	0	0	0	0	8,555,665

Law Enforcement - Firearms Range

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-7,996,838	0	0	0	0	0	0	-7,996,838
GO Bonds	-525,000	0	0	0	0	0	0	-525,000
Other Activities	-33,827	0	0	0	0	0	0	-33,827
Total REVENUE	-8,555,665	0	0	0	0	0	0	-8,555,665
EXPENDITURES								
Construction	7,253,523	0	0	0	0	0	0	7,253,523
Land Acquisition	1,302,142	0	0	0	0	0	0	1,302,142
Total EXPENDITURES	8,555,665	0	0	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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PR050 Inspections Mobile Office	123,400	0	0	0	0	0	0	123,400
Total EXPENDITURES	123,400	0	0	0	0	0	0	123,400

Inspections Mobile Office

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-687,205	0	0	0	0	0	0	-687,205
Grant Funding	-512,205	0	0	0	0	0	0	-512,205
Total REVENUE	-1,199,410	0	0	0	0	0	0	-1,199,410

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PR061 DSS Business Automation Phase II	1,024,410	0	0	0	0	0	0	1,024,410
PR063 Electronic Medical Records (Health)	175,000	0	0	0	0	0	0	175,000
Total EXPENDITURES	1,199,410	0	0	0	0	0	0	1,199,410

DSS Business Automation Phase II

Project Detail

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.

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

Union County DSS is scheduled to implement document imaging for the Adult Protective Services units in June, 2013.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-512,205	0	0	0	0	0	0	-512,205
Grant Funding	-512,205	0	0	0	0	0	0	-512,205
Total REVENUE	-1,024,410	0	0	0	0	0	0	-1,024,410
EXPENDITURES								
Other Activities	1,024,410	0	0	0	0	0	0	1,024,410
Total EXPENDITURES	1,024,410	0	0	0	0	0	0	1,024,410
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Electronic Medical Records (Health)

Project Detail

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 EHR technology.

Eligible professionals can receive up to \$44,000 over five years under the Medicare EHR 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 begin 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 program. Prior to HER implementation, an agency must be prepared to involve all levels of agency staff. This involves training, 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 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.

Electronic Medical Records (Health)

Project Detail

Human Services Automation and Record Management

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
General Pay Go	-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 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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-42,150,000	0	0	0	0	0	0	-42,150,000
Total REVENUE	-42,150,000	0	0	0	0	0	0	-42,150,000

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PR059 Human Service Campus	42,150,000	0	0	0	0	0	0	42,150,000
Total EXPENDITURES	42,150,000	0	0	0	0	0	0	42,150,000

Human Service Campus

Project Detail

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 reviewed 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.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-42,150,000	0	0	0	0	0	0	-42,150,000
Total REVENUE	-42,150,000	0	0	0	0	0	0	-42,150,000
EXPENDITURES								
Construction	38,500,000	0	0	0	0	0	0	38,500,000
Other Activities	3,650,000	0	0	0	0	0	0	3,650,000
Total EXPENDITURES	42,150,000	0	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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-2,092,738	0	0	0	0	0	0	-2,092,738
Utility Pay Go	-327,500	0	0	0	0	0	0	-327,500
Total REVENUE	-2,420,238	0	0	0	0	0	0	-2,420,238

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
LIB002 Library - Radio Frequency Identification	0	0	0	0	0	0	0	0
PR048 IT Infrastructure	1,588,238	0	0	0	0	0	0	1,588,238
PR062 Phone System Upgrade	655,000	0	0	0	0	0	0	655,000
PR073 Reg Of Deeds Redaction	177,000	0	0	0	0	0	0	177,000
Total EXPENDITURES	2,420,238	0	0	0	0	0	0	2,420,238

IT Infrastructure

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-1,588,238	0	0	0	0	0	0	-1,588,238
Total REVENUE	-1,588,238	0	0	0	0	0	0	-1,588,238
EXPENDITURES								
FF&E	1,412,787	0	0	0	0	0	0	1,412,787
Other Activities	175,451	0	0	0	0	0	0	175,451
Total EXPENDITURES	1,588,238	0	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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-327,500	0	0	0	0	0	0	-327,500
Utility Pay Go	-327,500	0	0	0	0	0	0	-327,500
Total REVENUE	-655,000	0	0	0	0	0	0	-655,000
EXPENDITURES								
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

Reg Of Deeds Redaction

Project Detail

IT Infrastructure and Efficiency Enhancements

Project Scope

Project provides for the purchase of software provided by Logan Systems, 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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-177,000	0	0	0	0	0	0	-177,000
Total REVENUE	-177,000	0	0	0	0	0	0	-177,000
EXPENDITURES								
Other Activities	177,000	0	0	0	0	0	0	177,000
Total EXPENDITURES	177,000	0	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 \$72,729,928 in FY 2018. The maximum annual debt service impact for this program will be \$7,311,175 and is projected to begin in FY 2019 and retire in FY 2038.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	-10,151,516	-62,578,408	0	0	-72,729,924
General Pay Go	-1,397,429	0	0	0	0	0	0	-1,397,429
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	-1,895,045	0	0	-10,151,516	-62,578,408	0	0	-74,624,969

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PR019 Law Enforcement-Jail Expansion	1,895,045	0	0	10,151,516	62,578,408	0	0	74,624,969
Total EXPENDITURES	1,895,045	0	0	10,151,516	62,578,408	0	0	74,624,969

Law Enforcement-Jail Expansion

Project Detail

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. 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 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.

Law Enforcement-Jail Expansion

Project Detail

Jail and Sheriff's Office Replacement and Expansion Program

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	-10,151,516	-62,578,408	0	0	-72,729,924
General Pay Go	-1,397,429	0	0	0	0	0	0	-1,397,429
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	-1,895,045	0	0	-10,151,516	-62,578,408	0	0	-74,624,969
EXPENDITURES								
Construction	0	0	0	0	52,578,408	0	0	52,578,408
Design & Engineering	1,877,373	0	0	10,151,516	0	0	0	12,028,889
FF&E	0	0	0	0	10,000,000	0	0	10,000,000
Site Work	17,672	0	0	0	0	0	0	17,672
Total EXPENDITURES	1,895,045	0	0	10,151,516	62,578,408	0	0	74,624,969
Revenue (Over)/Under Exp.	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 of \$7,500,249 in FY 2018. The maximum annual debt service impact for this program will be \$771,900 and is projected to begin in FY 2019 and retire in FY 2038.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	-519,858	-6,980,391	0	0	-7,500,249
General Pay Go	-1,519,442	0	0	0	0	0	0	-1,519,442
Total REVENUE	-1,519,442	0	0	-519,858	-6,980,391	0	0	-9,019,691

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
BW001 Jesse Helms Park Passive Area Phase II	0	0	0	0	2,774,060	0	0	2,774,060
BW002 Trail System (Pilot Project)	0	0	0	0	740,615	0	0	740,615
BW005 Jesse Helms Park Phase III	0	0	0	519,858	3,465,716	0	0	3,985,574
PR041 JHP Bridge	581,040	0	0	0	0	0	0	581,040
PR043 JHP Passive Area Phase II	938,402	0	0	0	0	0	0	938,402
Total EXPENDITURES	1,519,442	0	0	519,858	6,980,391	0	0	9,019,691

Jesse Helms Park Passive Area Phase II

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	0	-2,774,060	0	0	-2,774,060
Total REVENUE	0	0	0	0	-2,774,060	0	0	-2,774,060
EXPENDITURES								
Construction	0	0	0	0	2,774,060	0	0	2,774,060
Total EXPENDITURES	0	0	0	0	2,774,060	0	0	2,774,060
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Trail System (Pilot Project)

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	0	-740,615	0	0	-740,615
Total REVENUE	0	0	0	0	-740,615	0	0	-740,615
EXPENDITURES								
Construction	0	0	0	0	740,615	0	0	740,615
Total EXPENDITURES	0	0	0	0	740,615	0	0	740,615
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Jesse Helms Park Phase III

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	-519,858	-3,465,716	0	0	-3,985,574
Total REVENUE	0	0	0	-519,858	-3,465,716	0	0	-3,985,574
EXPENDITURES								
Construction	0	0	0	0	3,465,716	0	0	3,465,716
Design & Engineering	0	0	0	519,858	0	0	0	519,858
Total EXPENDITURES	0	0	0	519,858	3,465,716	0	0	3,985,574
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

JHP Bridge

Project Detail

PR041

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-581,040	0	0	0	0	0	0	-581,040
Total REVENUE	-581,040	0	0	0	0	0	0	-581,040
EXPENDITURES								
Construction	581,040	0	0	0	0	0	0	581,040
Total EXPENDITURES	581,040	0	0	0	0	0	0	581,040
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

JHP Passive Area Phase II

Project Detail

PR043

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-938,402	0	0	0	0	0	0	-938,402
Total REVENUE	-938,402	0	0	0	0	0	0	-938,402
EXPENDITURES								
Construction	938,402	0	0	0	0	0	0	938,402
Total EXPENDITURES	938,402	0	0	0	0	0	0	938,402
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 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 current facility.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-277,700	-80,000	-700,000	0	0	0	0	-1,057,700
Total REVENUE	-277,700	-80,000	-700,000	0	0	0	0	-1,057,700
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
LE001 Sheriff's Office Renovations	0	80,000	700,000	0	0	0	0	780,000
PR065 Storage Garage-Spec Resp Vehicles	277,700	0	0	0	0	0	0	277,700
Total EXPENDITURES	277,700	80,000	700,000	0	0	0	0	1,057,700

Sheriff's Office Renovations

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	-80,000	-700,000	0	0	0	0	-780,000
Total REVENUE	0	-80,000	-700,000	0	0	0	0	-780,000
EXPENDITURES								
Construction	0	0	500,000	0	0	0	0	500,000
Design and Engineering	0	80,000	0	0	0	0	0	80,000
FF&E	0	0	200,000	0	0	0	0	200,000
Total EXPENDITURES	0	80,000	700,000	0	0	0	0	780,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Storage Garage-Spec Resp Vehicles

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
General Pay Go	-277,700	0	0	0	0	0	0	-277,700
Total REVENUE	-277,700	0	0	0	0	0	0	-277,700
<i>EXPENDITURES</i>								
Construction	277,700	0	0	0	0	0	0	277,700
Total EXPENDITURES	277,700	0	0	0	0	0	0	277,700
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 \$17,321,706 in FY 2018. The maximum annual debt service impact for this program will be \$1,756,501 and is projected to begin in FY 2019 and retire in FY 2038.

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. It is anticipated that this facility would open in FY 2020.

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. It is anticipated that this facility would open in FY 2022.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	-1,634,000	-6,852,744	-950,000	-7,884,962	0	-17,321,706
Total REVENUE	0	0	-1,634,000	-6,852,744	-950,000	-7,884,962	0	-17,321,706

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
6117 South West Union Library	0	0	1,634,000	5,670,000	450,000	0	0	7,754,000
LIB001 Union West Regional Library Expansion	0	0	0	1,182,744	500,000	7,884,962	0	9,567,706
Total EXPENDITURES	0	0	1,634,000	6,852,744	950,000	7,884,962	0	17,321,706

South West Union Library

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	-1,634,000	-5,670,000	-450,000	0	0	-7,754,000
Total REVENUE	0	0	-1,634,000	-5,670,000	-450,000	0	0	-7,754,000
EXPENDITURES								
Construction	0	0	0	5,670,000	0	0	0	5,670,000
Design & Engineering	0	0	1,134,000	0	0	0	0	1,134,000
FF&E	0	0	0	0	450,000	0	0	450,000
Land Acquisition	0	0	500,000	0	0	0	0	500,000
Total EXPENDITURES	0	0	1,634,000	5,670,000	450,000	0	0	7,754,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Union West Regional Library Expansion

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	-1,182,744	-500,000	-7,884,962	0	-9,567,706
Total REVENUE	0	0	0	-1,182,744	-500,000	-7,884,962	0	-9,567,706
EXPENDITURES								
Construction	0	0	0	0	0	7,884,962	0	7,884,962
Design & Engineering	0	0	0	1,182,744	0	0	0	1,182,744
Land Acquisition	0	0	0	0	500,000	0	0	500,000
Total EXPENDITURES	0	0	0	1,182,744	500,000	7,884,962	0	9,567,706
Revenue (Over)/Under Exp.	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, and other related projects.

Program Operating Budget Impact

The Cane Creek Park Camp Store project has an approximate additional operating budget impact of \$7,500 beginning in FY 2017.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-100,000	-104,500	-83,600	0	0	0	0	-288,100
Total REVENUE	-100,000	-104,500	-83,600	0	0	0	0	-288,100
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
BW008 Parks & Recreation Paving	0	104,500	83,600	0	0	0	0	188,100
PR066 Parks & Rec Comp Master Plan	100,000	0	0	0	0	0	0	100,000
Total EXPENDITURES	100,000	104,500	83,600	0	0	0	0	288,100

Parks & Recreation Paving

Project Detail

Park Development and Renewal

Project Scope

Parks and Recreation paving needs.

Project Justification and History

These funds are for the repairs of deteriorating asphalt surfaces within the Parks and Recreation System. These projects include two major areas. (1) Cane Creek Park's Boat Ramp Area (\$95,000) which has not been resurfaced since the original installation (estimated at 1985 or before). (2) Fred Kirby Park's Park Lot (\$76,000) which has not been resurfaced since the park was established in the mid-90s. The worst of these projects is the Cane Creek Park's Boat Ramp which shows excessive signs of deterioration, to include the edges breaking away causing "drop-offs" in several locations. It's condition is becoming a safety issue. Projected costs are based on a local paver's estimate.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	-104,500	-83,600	0	0	0	0	-188,100
Total REVENUE	0	-104,500	-83,600	0	0	0	0	-188,100
EXPENDITURES								
Other Activities	0	104,500	83,600	0	0	0	0	188,100
Total EXPENDITURES	0	104,500	83,600	0	0	0	0	188,100
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Parks & Rec Comp Master Plan

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
General Pay Go	-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 SPCC program is primarily funded from the issuance of General Obligation Bonds of \$31,130,730 in FY 2018. The maximum annual debt service impact for this program will be \$3,153,500 and is project to begin in FY 2019 and retire in FY 2038.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	0	-31,130,730	0	0	-31,130,730
General Pay Go	-1,750,000	-1,830,415	0	0	0	0	0	-3,580,415
Total REVENUE	-1,750,000	-1,830,415	0	0	-31,130,730	0	0	-34,711,145

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
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	0	8,426,079	0	0	8,426,079
ED005 SPCC Technology	0	868,315	0	0	0	0	0	868,315
ED006 SPCC HVAC & Security	0	150,000	0	0	0	0	0	150,000
ED007 SPCC Resurface Existing Parking Lot	0	467,100	0	0	0	0	0	467,100
ED008 SPCC Parking	0	345,000	0	0	0	0	0	345,000
PR068 SPCC- Welding Lab	770,000	0	0	0	0	0	0	770,000

South Piedmont Community College

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
PR069 SPCC-Def Capital Maintenance	980,000	0	0	0	0	0	0	980,000
Total EXPENDITURES	1,750,000	1,830,415	0	0	31,130,730	0	0	34,711,145

SPCC Multi Purpose Building

Project Detail

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.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
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
EXPENDITURES								
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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2018 General Obligation Bonds	0	0	0	0	-8,426,079	0	0	-8,426,079
Total REVENUE	0	0	0	0	-8,426,079	0	0	-8,426,079
EXPENDITURES								
Construction	0	0	0	0	8,426,079	0	0	8,426,079
Total EXPENDITURES	0	0	0	0	8,426,079	0	0	8,426,079
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SPCC Technology

Project Detail

South Piedmont Community College

Project Scope

Project provides for ongoing technology needs at SPCC.

Project Justification and History

Requested by SPCC and recommended by the County Manager. Project includes Storage Area Network, PC monitors and classroom computers, upgrade wireless to AC Standards, Data Center switches, Network Identity Services Systems, fiber rewiring, projector system, classroom whiteboards, etc.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
General Pay Go	0	-868,315	0	0	0	0	0	-868,315
Total REVENUE	0	-868,315	0	0	0	0	0	-868,315
<i>EXPENDITURES</i>								
Other Activities	0	868,315	0	0	0	0	0	868,315
Total EXPENDITURES	0	868,315	0	0	0	0	0	868,315
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SPCC HVAC & Security

Project Detail

South Piedmont Community College

Project Scope

Project provides for replacement, consolidation, and/or upgrades to old Security, Fire, and HVAC Building Automation.

Project Justification and History

Requested by SPCC and recommended by the County Manager.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	-150,000	0	0	0	0	0	-150,000
Total REVENUE	0	-150,000	0	0	0	0	0	-150,000
EXPENDITURES								
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 Resurface Existing Parking Lot

Project Detail

South Piedmont Community College

Project Scope

Project provides for resurfacing existing parking lot of Building A at Old Charlotte Highway SPCC Campus.

Project Justification and History

Requested by SPCC and recommended by the County Manager.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	-467,100	0	0	0	0	0	-467,100
Total REVENUE	0	-467,100	0	0	0	0	0	-467,100
EXPENDITURES								
Other Activities	0	467,100	0	0	0	0	0	467,100
Total EXPENDITURES	0	467,100	0	0	0	0	0	467,100
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SPCC Parking

Project Detail

South Piedmont Community College

Project Scope

Project provides for an additional 100 parking place at the Old Charlotte Highway SPCC Campus.

Project Justification and History

Requested by SPCC and recommended by the County Manager.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	-345,000	0	0	0	0	0	-345,000
Total REVENUE	0	-345,000	0	0	0	0	0	-345,000
EXPENDITURES								
Other Activities	0	345,000	0	0	0	0	0	345,000
Total EXPENDITURES	0	345,000	0	0	0	0	0	345,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SPCC- Welding Lab

Project Detail

PR068

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-770,000	0	0	0	0	0	0	-770,000
Total REVENUE	-770,000	0	0	0	0	0	0	-770,000
EXPENDITURES								
Other Activities	770,000	0	0	0	0	0	0	770,000
Total EXPENDITURES	770,000	0	0	0	0	0	0	770,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SPCC-Def Capital Maintenance

Project Detail

PR069

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	-980,000	0	0	0	0	0	0	-980,000
Total REVENUE	-980,000	0	0	0	0	0	0	-980,000
EXPENDITURES								
Other Activities	980,000	0	0	0	0	0	0	980,000
Total EXPENDITURES	980,000	0	0	0	0	0	0	980,000
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 for the software maintenance fee is estimated to be between \$226,000 to \$250,000 per year based on current quotes from an RFP.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
General Pay Go	0	-1,200,000	0	0	0	0	0	-1,200,000
Total REVENUE	0	-1,200,000	0	0	0	0	0	-1,200,000
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
TX001 Tax Software	0	1,200,000	0	0	0	0	0	1,200,000
Total EXPENDITURES	0	1,200,000	0	0	0	0	0	1,200,000

Tax Software

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
General Pay Go	0	-1,200,000	0	0	0	0	0	-1,200,000
Total REVENUE	0	-1,200,000	0	0	0	0	0	-1,200,000
<i>EXPENDITURES</i>								
Other Activities	0	1,200,000	0	0	0	0	0	1,200,000
Total EXPENDITURES	0	1,200,000	0	0	0	0	0	1,200,000
Revenue (Over)/Under Exp.	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.

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.

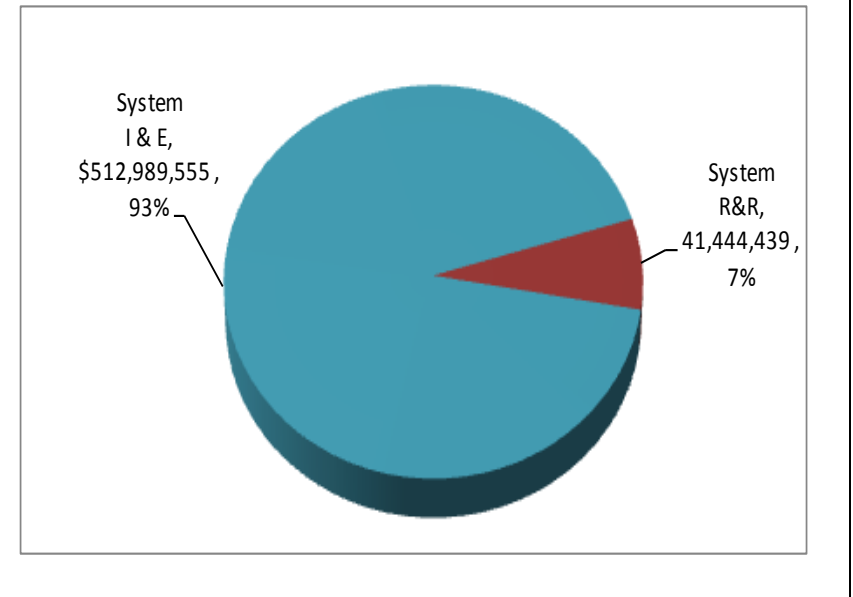
Program Highlights

The adopted Public Works Capital Program consists of nineteen programs, made up of sixty-nine 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 maximum day water demand is anticipated to grow to 27.8 million gallons daily and maximum monthly average wastewater flow to 13.2 million gallons daily. The adopted \$512,989,555 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 \$41,444,439 System R&R program is necessary to provide for the system needs and reflects an average annual investment of \$6.9 million during the six-year plan.

Fiscal Year	System I & E	System R&R	Total
Funded-To-Date	\$ 148,291,449	18,166,939	166,458,388
FY 2017 Adopted	17,801,246	3,551,500	21,352,746
FY 2018 Planned	17,495,942	3,419,000	20,914,942
FY 2019 Planned	80,783,987	4,534,000	85,317,987
FY 2020 Planned	175,572,597	4,257,500	179,830,097
FY 2021 Planned	28,132,334	2,725,500	30,857,834
FY 2022 Planned	44,912,000	4,790,000	49,702,000
Total	\$ 512,989,555	41,444,439	554,433,994



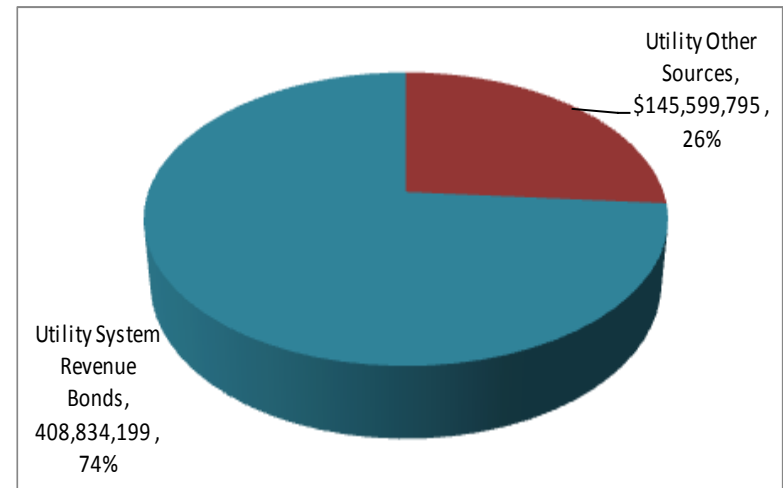
The following chart shows the breakdown of the programs included in the System Improvements and Expansion as well as the System Rehabilitation and Renewal.



Funding Strategy

PWCP Six-Year Program	Program Total
System Improvements and Expansion Programs	
762 Zone Improvements	\$ 5,382,700
853 South Zone Improvements	412,000
853 West Zone Improvements	33,074,000
Crooked Creek Basin Improvements	31,233,800
CRWTP Improvements	35,598,522
Developer Funded Projects	38,412,000
Eastside Wastewater Improvements	14,837,957
New 880 Pressure Zone	10,900,245
Short Line Extensions	6,386,000
Town Center Sewer Development	2,107,440
Twelve Mile Creek WWTP System Improvements	64,081,615
UCPW Buildings and Improvements	10,915,376
Yadkin Basin WRF	80,377,000
Yadkin Water Supply	179,270,900
Total System I & E Programs	\$ 512,989,555
System Rehabilitation and Renewal	
Wastewater Pump Station Improvements	\$ 6,771,000
Wastewater Rehabilitation and Replacement	14,077,460
Water & Wastewater Master Plan	698,000
Water Rehabilitation and Replacement	18,190,979
Water Tank Rehabilitation	1,707,000
Total System R & R Programs	\$ 41,444,439
Total PWCP Six Year Program	\$ 554,433,994

Fiscal Year	Utility Other Sources	Utility System	
		Revenue Bonds	Total
Funded-To-Date	\$ 76,062,295	90,396,093	166,458,388
FY 2017 Adopted	6,980,500	14,372,246	21,352,746
FY 2018 Planned	4,016,000	16,898,942	20,914,942
FY 2019 Planned	5,149,000	80,168,987	85,317,987
FY 2020 Planned	4,890,500	174,939,597	179,830,097
FY 2021 Planned	4,627,500	26,230,334	30,857,834
FY 2022 Planned	43,874,000	5,828,000	49,702,000
Total	\$ 145,599,795	408,834,199	554,433,994



The adopted PWCP is funded through several different sources. The primary source of funding, 74 percent will come through the issuance of Utility System Revenue Bonds. Revenue Bonds funded to date included in the plan is \$90.4 million. The adopted plan includes an issuance of total new debt in the amount of \$384.2 million. The issuances will take place in FY 2017, FY 2019 and FY 2021.



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 \$32.9 million annually.

Public Works Debt Amortization Schedule			
Fiscal Year	Principal	Interest	Total
FY 2017	\$ 4,618,697	\$ 2,736,389	\$ 7,355,085
FY 2018	4,505,000	2,585,497	7,090,497
FY 2019	6,610,000	7,172,097	13,782,097
FY 2020	6,865,000	6,902,136	13,767,136
FY 2021	7,965,000	11,569,767	19,534,767
FY 2022	8,090,000	11,223,944	19,313,944
FY 2023	12,435,000	20,456,175	32,891,175
Total	\$ 51,088,697	\$ 62,646,005	\$ 113,734,702

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 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	\$ 41,970,304
Grant Funding	1,961,300
Utility PayGo	101,668,191
Total Funding	\$ 145,599,795

The PayGo funding, which comprises 70 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	\$ 70,542,691
FY 2017 Adopted	6,980,500
FY 2018 Planned	4,016,000
FY 2019 Planned	5,149,000
FY 2020 Planned	4,890,500
FY 2021 Planned	4,627,500
FY 2022 Planned	5,462,000
Total	\$ 101,668,191

The PayGo funding is primarily programmed for the ongoing system rehabilitation and renewal projects. The principle 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.



Public Works Capital Program Operating Budget Impact FY 2017-2022							
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
System Improvements and Expansion Programs							
762 Zone Improvements	\$ -	\$ 252,184	\$ 252,184	\$ 252,184	\$ 252,184	\$ 252,184	\$ 1,260,920
853 South Zone Improvements	39,228	39,228	39,228	39,228	39,228	39,228	235,368
853 West Zone Improvements	-	-	-	2,053,877	2,053,877	2,053,877	6,161,631
935 Zone Improvements	-	-	-	-	-	-	-
Crooked Creek Basin Improvements	79,529	1,581,635	1,581,635	1,581,635	1,581,635	1,581,635	7,987,704
CRWTP Improvements	223,476	1,865,588	1,865,588	1,865,588	1,865,588	1,865,588	9,551,416
Developer Funded Projects	-	-	-	-	-	-	-
Eastside Wastewater Improvements	64,377	64,377	64,377	64,377	64,377	64,377	386,262
New 880 Pressure Zone	252,710	252,710	252,710	252,710	252,710	252,710	1,516,260
Short Line Extensions	68,127	68,127	68,127	68,127	68,127	68,127	408,762
Town Center Sewer Development	88,539	88,539	88,539	88,539	88,539	88,539	531,234
Twelve Mile Creek WWTP System Improvements	347,073	3,036,431	3,036,431	3,036,431	3,036,431	3,036,431	15,529,228
UCPW Buildings and Improvements	271,348	271,348	271,348	271,348	271,348	271,348	1,628,088
Yadkin Basin WRF	-	143,007	143,007	143,007	5,180,985	5,180,985	10,790,991
Yadkin Water Supply	119,154	119,154	1,202,226	4,636,703	10,064,177	11,388,535	27,529,949
Total System I & E Programs	1,553,561	7,782,328	8,865,400	14,353,754	24,819,206	26,143,564	83,517,813
System Rehabilitation and Renewal Programs							
Wastewater Pump Station Improvements	-	-	-	-	-	-	-
Wastewater Rehabilitation and Replacement	-	-	-	-	-	-	-
Water & Wastewater Master Plan	-	-	-	-	-	-	-
Water Rehabilitation and Replacement	156,435	156,435	156,435	156,435	156,435	156,435	938,610
Water Tank Rehabilitation	-	-	-	-	-	-	-
Total System R & R Programs	156,435	156,435	156,435	156,435	156,435	156,435	938,610
Total PWCP Six Year Program	\$ 1,709,996	\$ 7,938,763	\$ 9,021,835	\$ 14,510,189	\$ 24,975,641	\$ 26,299,999	\$ 84,456,423



Public Works Capital Program

Section Summary

Resource Summary

Summary	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Capital Contribution	-3,558,304	0	0	0	0	0	0	-3,558,304
Developer Funded	0	0	0	0	0	0	-38,412,000	-38,412,000
Federal Grant	-1,961,300	0	0	0	0	0	0	-1,961,300
FY 2016 Revenue Bonds	-24,588,532	0	0	0	0	0	0	-24,588,532
Revenue Bond	-65,807,561	-14,372,246	-16,898,942	-80,168,987	-174,939,597	-26,230,334	-5,828,000	-384,245,667
Utility Pay Go	-70,542,691	-6,980,500	-4,016,000	-5,149,000	-4,890,500	-4,627,500	-5,462,000	-101,668,191
Total REVENUE	-166,458,388	-21,352,746	-20,914,942	-85,317,987	-179,830,097	-30,857,834	-49,702,000	-554,433,994

Programs	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Water & Wastewater								
762 Zone Improvements	2,467,700	2,915,000	0	0	0	0	0	5,382,700
853 South Zone Improvements	412,000	0	0	0	0	0	0	412,000
853 West Zone Improvements	1,695,000	0	0	14,693,000	16,686,000	0	0	33,074,000
Crooked Creek Basin Improvements	14,662,800	2,226,000	1,486,000	0	0	7,031,000	5,828,000	31,233,800
CRWTP Improvements	29,670,806	5,927,716	0	0	0	0	0	35,598,522
Developer Funded Projects	0	0	0	0	0	0	38,412,000	38,412,000
Eastside Wastewater Improvements	14,837,957	0	0	0	0	0	0	14,837,957
New 880 Pressure Zone	10,900,245	0	0	0	0	0	0	10,900,245
Short Line Extensions	2,636,000	580,000	597,000	615,000	633,000	653,000	672,000	6,386,000
Town Center Sewer Development	2,107,440	0	0	0	0	0	0	2,107,440
Twelve Mile Creek WWTP System Improvements	53,616,615	2,849,000	0	7,616,000	0	0	0	64,081,615
UCPW Buildings & Improvements	10,915,376	0	0	0	0	0	0	10,915,376
Wastewater Pump Station Improvements	2,542,000	812,000	239,000	1,629,000	886,000	261,000	402,000	6,771,000

Public Works Capital Program

Section Summary

Resource Summary

Programs	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Water & Wastewater								
Wastewater Rehabilitation and Replacement	7,122,960	1,137,500	1,171,500	1,206,500	1,242,500	717,500	1,479,000	14,077,460
Water & Wastewater Master Planning	318,000	0	0	0	380,000	0	0	698,000
Water Rehabilitation and Replacement	7,226,979	1,602,000	1,649,500	1,698,500	1,749,000	1,356,000	2,909,000	18,190,979
Water Tank Rehabilitation	957,000	0	359,000	0	0	391,000	0	1,707,000
Yadkin Basin WRF	0	1,500,000	530,000	4,513,000	73,834,000	0	0	80,377,000
Yadkin River Water Supply	4,369,510	1,803,530	14,882,942	53,346,987	84,419,597	20,448,334	0	179,270,900
Total Water & Wastewater	166,458,388	21,352,746	20,914,942	85,317,987	179,830,097	30,857,834	49,702,000	554,433,994
Total Expenditures	166,458,388	21,352,746	20,914,942	85,317,987	179,830,097	30,857,834	49,702,000	554,433,994

762 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 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 project within the 762 Zone Improvements program that will have the most significant operating budget impact is the construction of the new Wingate Tank. The new tank is funded from issuance of Revenue Bonds of \$3,701,000 in FY 2017. The maximum annual debt service impact for this program will be \$250,184 beginning in FY 2018 and will retire in twenty years. 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.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-786,000	-2,915,000	0	0	0	0	0	-3,701,000
Utility Pay Go	-1,681,700	0	0	0	0	0	0	-1,681,700
Total REVENUE	-2,467,700	-2,915,000	0	0	0	0	0	-5,382,700

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
MW015 762 Zone Improvements (Monroe Bypass)	1,681,700	0	0	0	0	0	0	1,681,700
WT059 762 Zone Elevated Tank	786,000	2,915,000	0	0	0	0	0	3,701,000
Total EXPENDITURES	2,467,700	2,915,000	0	0	0	0	0	5,382,700

762 Zone Improvements (Monroe Bypass)

Project Detail

762 Zone Improvements

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

In conjunction with the construction of the Monroe Bypass, various improvements will be needed within the Anson County Service Area to increase system capacity and improve system hydraulics. These improvements will be installed by the Monroe Bypass project and be administered through a contract with NCDOT.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-1,681,700	0	0	0	0	0	0	-1,681,700
Total REVENUE	-1,681,700	0	0	0	0	0	0	-1,681,700
EXPENDITURES								
Construction	1,482,000	0	0	0	0	0	0	1,482,000
Design & Engineering	199,700	0	0	0	0	0	0	199,700
Total EXPENDITURES	1,681,700	0	0	0	0	0	0	1,681,700
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

762 Zone Elevated Tank

Project Detail

762 Zone Improvements

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

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 Wingate/Marshville Area to provide water pressure and storage. Installation of a pressure reducing valve is also required.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-786,000	-2,915,000	0	0	0	0	0	-3,701,000
Total REVENUE	-786,000	-2,915,000	0	0	0	0	0	-3,701,000
EXPENDITURES								
Construction	0	2,688,000	0	0	0	0	0	2,688,000
Design & Engineering	374,000	227,000	0	0	0	0	0	601,000
Land Acquisition	412,000	0	0	0	0	0	0	412,000
Total EXPENDITURES	786,000	2,915,000	0	0	0	0	0	3,701,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

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 provide 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 2016. The maximum annual debt service impact for this program will be \$39,228 beginning in FY 2017 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
WT057 853 South Zone Tank	412,000	0	0	0	0	0	0	412,000
WT058 853 Zone Transmission Main Improvem	0	0	0	0	0	0	0	0
Total EXPENDITURES	412,000	0	0	0	0	0	0	412,000

853 South Zone Tank

Project Detail

853 South Zone Improvements

Project Scope

Project provides for the construction of a 1.0 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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-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 & 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 provide 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 \$31,791,000 in FY 2019. The maximum annual debt service impact for this program will be \$2,051,877 beginning in FY 2020 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-44,803	0	0	0	0	0	0	-44,803
Revenue Bond	-412,000	0	0	-14,693,000	-16,686,000	0	0	-31,791,000
Utility Pay Go	-1,238,197	0	0	0	0	0	0	-1,238,197
Total REVENUE	-1,695,000	0	0	-14,693,000	-16,686,000	0	0	-33,074,000

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
WT060 IT Addt Tank 1/Watkins BPS Imp	393,100	0	0	422,000	6,050,000	0	0	6,865,100
WT061 853 West Zone Transmission Main	1,301,900	0	0	14,271,000	10,636,000	0	0	26,208,900
Total EXPENDITURES	1,695,000	0	0	14,693,000	16,686,000	0	0	33,074,000

IT Addt Tank 1/Watkins BPS Imp

Project Detail

853 West Zone Improvements

Project Scope

Project provides for the Indian Trail Additional Tank at 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 2.0 MG elevated Storage Tank to be located near the Town of Indian Trail.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total	
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022		
REVENUE									
Revenue Bond	-393,100	0	0	-422,000	-6,050,000	0	0	0	-6,865,100
Total REVENUE	-393,100	0	0	-422,000	-6,050,000	0	0	0	-6,865,100
EXPENDITURES									
Construction	0	0	0	0	5,628,000	0	0	0	5,628,000
Design & Engineering	0	0	0	422,000	422,000	0	0	0	844,000
Land Acquisition	393,100	0	0	0	0	0	0	0	393,100
Total EXPENDITURES	393,100	0	0	422,000	6,050,000	0	0	0	6,865,100
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

853 West Zone Transmission Main

Project Detail

853 West Zone Improvements

Project Scope

Project provides for the installation of the 853 West Zone Transmission Main Phase I provides 22,000 LF of 36" Main; 9,000 LF of 16" Main. Phase II provides for the installation of 44,000 LF of 16" Main.

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 22,000 LF of 36" main and 53,000 LF of 16" main to improve distribution within the Service Area.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-44,803	0	0	0	0	0	0	-44,803
Revenue Bond	-18,900	0	0	-14,271,000	-10,636,000	0	0	-24,925,900
Utility Pay Go	-1,238,197	0	0	0	0	0	0	-1,238,197
Total REVENUE	-1,301,900	0	0	-14,271,000	-10,636,000	0	0	-26,208,900
EXPENDITURES								
Construction	0	0	0	12,566,000	10,085,000	0	0	22,651,000
Design & Engineering	1,301,900	0	0	1,650,000	551,000	0	0	3,502,900
Easements	0	0	0	55,000	0	0	0	55,000
Total EXPENDITURES	1,301,900	0	0	14,271,000	10,636,000	0	0	26,208,900
Revenue (Over)/Under Exp.	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 \$24,259,922. One issuance took place in FY 2016, in the amount of \$1,040,334, with a maximum annual debt service impact of \$79,529 beginning in FY 2017. The remaining issuance will be in FY 2017 for \$23,219,588, with a maximum debt service impact of \$1,502,106 beginning in FY 2018, and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,040,334	0	0	0	0	0	0	-1,040,334
Revenue Bond	-7,897,588	-2,226,000	-1,486,000	0	0	-5,782,000	-5,828,000	-23,219,588
Utility Pay Go	-5,724,878	0	0	0	0	-1,249,000	0	-6,973,878
Total REVENUE	-14,662,800	-2,226,000	-1,486,000	0	0	-7,031,000	-5,828,000	-31,233,800

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
SP017 CC Headworks Improvements	9,595,000	0	1,486,000	0	0	0	0	11,081,000
SW029 CC I&I Study & Remediation	2,538,300	0	0	0	0	0	0	2,538,300
SW030 CC Interceptor Improvements Ph I	2,215,500	0	0	0	0	5,782,000	0	7,997,500
SW039 Forest Park PS Replacement & Interceptor Imp	314,000	2,226,000	0	0	0	0	1,554,000	4,094,000

Crooked Creek Basin Improvements

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
UT001 Crooked Creek Interceptor Imp Ph 2	0	0	0	0	0	0	4,274,000	4,274,000
UT002 Crooked Creek Interceptor Imp Ph 3	0	0	0	0	0	0	0	0
UT014 Crooked Creek Interceptor Imp Ph 4	0	0	0	0	0	0	0	0
UT015 Poplin Rd Parallel Force Main	0	0	0	0	0	0	0	0
UT017 Crooked Creek Interceptor Imp Ph 5	0	0	0	0	0	1,249,000	0	1,249,000
Total EXPENDITURES	14,662,800	2,226,000	1,486,000	0	0	7,031,000	5,828,000	31,233,800

CC Headworks Improvements

Project Detail

Crooked Creek Basin Improvements

Project Scope

Project provides for Crooked Creek Headwork Improvements consisting of 10.5 MGD influent pumping and screening, 3 MG equalization basin, 1,200 ft of 15-in replacement gravity sewer, 1,500 ft of 16-in replacement force main, and related improvements. As flows increase future transfer pumps will be installed along with minor forcemain 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 10.5 MGD Influent Pumping and Screening facility, 3 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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-629,912	0	0	0	0	0	0	-629,912
Revenue Bond	-5,368,088	0	-1,486,000	0	0	0	0	-6,854,088
Utility Pay Go	-3,597,000	0	0	0	0	0	0	-3,597,000
Total REVENUE	-9,595,000	0	-1,486,000	0	0	0	0	-11,081,000
EXPENDITURES								
Construction	8,522,800	0	1,293,000	0	0	0	0	9,815,800
Design & Engineering	1,072,200	0	193,000	0	0	0	0	1,265,200
Total EXPENDITURES	9,595,000	0	1,486,000	0	0	0	0	11,081,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

CC I&I Study & Remediation

Project Detail

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. Based on the study the Suburban Estates Sewershed was the 1st priority.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-410,422	0	0	0	0	0	0	-410,422
Utility Pay Go	-2,127,878	0	0	0	0	0	0	-2,127,878
Total REVENUE	-2,538,300	0	0	0	0	0	0	-2,538,300
EXPENDITURES								
Construction	1,925,000	0	0	0	0	0	0	1,925,000
Design & Engineering	613,300	0	0	0	0	0	0	613,300
Total EXPENDITURES	2,538,300	0	0	0	0	0	0	2,538,300
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

CC Interceptor Improvements Ph I

Project Detail

Crooked Creek Basin Improvements

Project Scope

Project provides for 40,000 LF of comprehensive sewer rehabilitation and related improvements in the South Fork Sewershed. Given the size of these improvements the project will be split into two construction contracts over a two year timeframe.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
Revenue Bond	-2,215,500	0	0	0	0	-5,782,000	0	-7,997,500
Total REVENUE	-2,215,500	0	0	0	0	-5,782,000	0	-7,997,500
<i>EXPENDITURES</i>								
Construction	1,958,000	0	0	0	0	4,987,000	0	6,945,000
Design & Engineering	257,500	0	0	0	0	795,000	0	1,052,500
Total EXPENDITURES	2,215,500	0	0	0	0	5,782,000	0	7,997,500
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Forest Park PS Replacement & Interceptor Imp

Project Detail

Crooked Creek Basin Improvements

Project Scope

Project provides for the replacement of the Forest Park Pump Station with a new 3 MGD pumps and replacement of 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. A future phase will include approximately 7,900 LF of 12" forcemain replacement in 2022.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-314,000	-2,226,000	0	0	0	0	-1,554,000	-4,094,000
Total REVENUE	-314,000	-2,226,000	0	0	0	0	-1,554,000	-4,094,000
EXPENDITURES								
Construction	0	2,226,000	0	0	0	0	1,351,000	3,577,000
Design & Engineering	314,000	0	0	0	0	0	203,000	517,000
Total EXPENDITURES	314,000	2,226,000	0	0	0	0	1,554,000	4,094,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Crooked Creek Interceptor Imp Ph 2

Project Detail

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 2017	Unappropriated Planning Years					Total	
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022		
REVENUE									
Revenue Bond	0	0	0	0	0	0	0	-4,274,000	-4,274,000
Total REVENUE	0	0	0	0	0	0	0	-4,274,000	-4,274,000
EXPENDITURES									
Construction	0	0	0	0	0	0	0	3,716,000	3,716,000
Design & Engineering	0	0	0	0	0	0	0	558,000	558,000
Total EXPENDITURES	0	0	0	0	0	0	0	4,274,000	4,274,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	0

Crooked Creek Interceptor Imp Ph 5

Project Detail

Crooked Creek Basin Improvements

Project Scope

Project provides for the replacement of 1,500 LF of 27" line, 5,800 LF of 18" line, 1,700 LF of 15" replacement gravity sewer line along the North Fork of Crooked Creek.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	0	0	0	0	0	-1,249,000	0	-1,249,000
Total REVENUE	0	0	0	0	0	-1,249,000	0	-1,249,000
EXPENDITURES								
Construction	0	0	0	0	0	1,086,000	0	1,086,000
Design & Engineering	0	0	0	0	0	163,000	0	163,000
Total EXPENDITURES	0	0	0	0	0	1,249,000	0	1,249,000
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 \$28,686,982. One issuance took place in FY 2016, in the amount of \$3,284,583, with a maximum annual debt service impact of \$223,476 beginning in FY 2017. The remaining issuance will be in FY 2017 for \$25,402,399, with a maximum debt service impact of \$1,642,112 beginning in FY 2018, and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Capital Contribution	-1,829,829	0	0	0	0	0	0	-1,829,829
FY 2016 Revenue Bonds	-3,284,583	0	0	0	0	0	0	-3,284,583
Revenue Bond	-19,474,683	-5,927,716	0	0	0	0	0	-25,402,399
Utility Pay Go	-5,081,711	0	0	0	0	0	0	-5,081,711
Total REVENUE	-29,670,806	-5,927,716	0	0	0	0	0	-35,598,522
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
WP003 CRWTP Reservoir Expansion	22,505,208	4,935,708	0	0	0	0	0	27,440,916
WP004 CRWTP Plant Process Improvements	6,247,606	0	0	0	0	0	0	6,247,606
WP007 CRWTP (Plant) Expansion	917,992	992,008	0	0	0	0	0	1,910,000
Total EXPENDITURES	29,670,806	5,927,716	0	0	0	0	0	35,598,522

CRWTP Reservoir Expansion

Project Detail

CRWTP Improvements

Project Scope

Project provides for Environmental Mitigation for new 1 BG raw water reservoir at Catawba Raw Water Treatment Plant, subsequent design and construction of 1 BG raw water reservoir, and a new raw water intake and pump station along the Catawba River.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Capital Contribution	-1,829,829	0	0	0	0	0	0	-1,829,829
FY 2016 Revenue Bonds	-1,305,238	0	0	0	0	0	0	-1,305,238
Revenue Bond	-15,070,970	-4,935,708	0	0	0	0	0	-20,006,678
Utility Pay Go	-4,299,171	0	0	0	0	0	0	-4,299,171
Total REVENUE	-22,505,208	-4,935,708	0	0	0	0	0	-27,440,916
EXPENDITURES								
Capital Legal Land Easements	2,424,000	0	0	0	0	0	0	2,424,000
Construction	16,127,942	4,935,708	0	0	0	0	0	21,063,650
Design & Engineering	3,771,986	0	0	0	0	0	0	3,771,986
Land Acquisition	181,280	0	0	0	0	0	0	181,280
Total EXPENDITURES	22,505,208	4,935,708	0	0	0	0	0	27,440,916
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

CRWTP Plant Process Improvements

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,979,345	0	0	0	0	0	0	-1,979,345
Revenue Bond	-3,485,721	0	0	0	0	0	0	-3,485,721
Utility Pay Go	-782,540	0	0	0	0	0	0	-782,540
Total REVENUE	-6,247,606	0	0	0	0	0	0	-6,247,606
EXPENDITURES								
Construction	5,465,066	0	0	0	0	0	0	5,465,066
Design & Engineering	782,540	0	0	0	0	0	0	782,540
Total EXPENDITURES	6,247,606	0	0	0	0	0	0	6,247,606
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

CRWTP (Plant) Expansion

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-917,992	-992,008	0	0	0	0	0	-1,910,000
Total REVENUE	-917,992	-992,008	0	0	0	0	0	-1,910,000
EXPENDITURES								
Construction	0	0	0	0	0	0	0	0
Design & Engineering	917,992	992,008	0	0	0	0	0	1,910,000
Total EXPENDITURES	917,992	992,008	0	0	0	0	0	1,910,000
Revenue (Over)/Under Exp.	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 2017	Unappropriated Planning Years					Total	
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022		
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 2017	Unappropriated Planning Years					Total	
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022		
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

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 2017	Unappropriated Planning Years					Total	
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022		
<i>REVENUE</i>									
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
<i>EXPENDITURES</i>									
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
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.

Revenue Bonds were issued in FY 2016 to fund a small portion of this program in the amount of \$804,088. The maximum annual debt service impact for this program will be \$64,377 beginning in FY 2017 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Federal Grant	-1,961,300	0	0	0	0	0	0	-1,961,300
FY 2016 Revenue Bonds	-804,088	0	0	0	0	0	0	-804,088
Utility Pay Go	-12,072,569	0	0	0	0	0	0	-12,072,569
Total REVENUE	-14,837,957	0	0	0	0	0	0	-14,837,957

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
SE002 East Side Improvements	8,657,957	0	0	0	0	0	0	8,657,957
SE003 Rays Fork Interceptor	6,180,000	0	0	0	0	0	0	6,180,000
UT006 Monroe WWTP Expansion	0	0	0	0	0	0	0	0
Total EXPENDITURES	14,837,957	0	0	0	0	0	0	14,837,957

East Side Improvements

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Federal Grant	-1,961,300	0	0	0	0	0	0	-1,961,300
FY 2016 Revenue Bonds	-434,085	0	0	0	0	0	0	-434,085
Utility Pay Go	-6,262,572	0	0	0	0	0	0	-6,262,572
Total REVENUE	-8,657,957	0	0	0	0	0	0	-8,657,957
EXPENDITURES								
Capital Legal Land Easements	80,000	0	0	0	0	0	0	80,000
Construction	7,246,374	0	0	0	0	0	0	7,246,374
Construction Advertising	179	0	0	0	0	0	0	179
Design & Engineering	1,331,404	0	0	0	0	0	0	1,331,404
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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-370,003	0	0	0	0	0	0	-370,003
Utility Pay Go	-5,809,997	0	0	0	0	0	0	-5,809,997
Total REVENUE	-6,180,000	0	0	0	0	0	0	-6,180,000
EXPENDITURES								
Construction	5,500,000	0	0	0	0	0	0	5,500,000
Design & Engineering	680,000	0	0	0	0	0	0	680,000
Total EXPENDITURES	6,180,000	0	0	0	0	0	0	6,180,000
Revenue (Over)/Under Exp.	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 partially funded from the issuance of Revenue Bonds of \$3,709,187 in FY 2016. The maximum annual debt service for this program will be \$250,710 and is projected to begin in FY 2017 and retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-3,709,187	0	0	0	0	0	0	-3,709,187
Utility Pay Go	-7,191,058	0	0	0	0	0	0	-7,191,058
Total REVENUE	-10,900,245	0	0	0	0	0	0	-10,900,245

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
WT044 Weddington Elevated Storage Tank	5,774,045	0	0	0	0	0	0	5,774,045
WT053 New 880 Pump Station	5,126,200	0	0	0	0	0	0	5,126,200
Total EXPENDITURES	10,900,245	0	0	0	0	0	0	10,900,245

Weddington Elevated Storage Tank

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-2,422,729	0	0	0	0	0	0	-2,422,729
Utility Pay Go	-3,351,316	0	0	0	0	0	0	-3,351,316
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 & 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

New 880 Pump Station

Project Detail

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).

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,286,458	0	0	0	0	0	0	-1,286,458
Utility Pay Go	-3,839,742	0	0	0	0	0	0	-3,839,742
Total REVENUE	-5,126,200	0	0	0	0	0	0	-5,126,200
EXPENDITURES								
Construction	4,264,200	0	0	0	0	0	0	4,264,200
Design & 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

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

The Short Line Extensions program is partially funded from the issuance of Revenue Bonds of \$862,559 in FY 2016. The maximum annual debt service impact for this issuance will be \$68,127 beginning in FY 2017 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Capital Contribution	-34,825	0	0	0	0	0	0	-34,825
FY 2016 Revenue Bonds	-862,559	0	0	0	0	0	0	-862,559
Utility Pay Go	-1,738,616	-580,000	-597,000	-615,000	-633,000	-653,000	-672,000	-5,488,616
Total REVENUE	-2,636,000	-580,000	-597,000	-615,000	-633,000	-653,000	-672,000	-6,386,000

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
MW017 Short Line Extensions Water	2,395,157	580,000	597,000	615,000	633,000	653,000	672,000	6,145,157
MW022 Infrastructure Extensions to Service County Facilities	240,843	0	0	0	0	0	0	240,843
Total EXPENDITURES	2,636,000	580,000	597,000	615,000	633,000	653,000	672,000	6,386,000

Short Line Extensions Water

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Capital Contribution	-34,825	0	0	0	0	0	0	-34,825
FY 2016 Revenue Bonds	-862,559	0	0	0	0	0	0	-862,559
Utility Pay Go	-1,497,773	-580,000	-597,000	-615,000	-633,000	-653,000	-672,000	-5,247,773
Total REVENUE	-2,395,157	-580,000	-597,000	-615,000	-633,000	-653,000	-672,000	-6,145,157
EXPENDITURES								
Construction	2,101,398	493,000	507,000	523,000	538,000	555,000	571,000	5,288,398
Design & Engineering	293,759	87,000	90,000	92,000	95,000	98,000	101,000	856,759
Total EXPENDITURES	2,395,157	580,000	597,000	615,000	633,000	653,000	672,000	6,145,157
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Infrastructure Extensions to Service County Facilities

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
Utility Pay Go	-240,843	0	0	0	0	0	0	-240,843
Total REVENUE	-240,843	0	0	0	0	0	0	-240,843
<i>EXPENDITURES</i>								
Construction	240,843	0	0	0	0	0	0	240,843
Design & Engineering	0	0	0	0	0	0	0	0
Total EXPENDITURES	240,843	0	0	0	0	0	0	240,843
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, and Fairview were identified in the 2011 Master Plan for service and infrastructure improvements.

Program Operating Budget Impact

The Town Center Sewer Development program is partially funded from the issuance of Revenue Bonds of \$1,180,806 in FY 2016. The maximum annual debt service for this program will be \$88,539 and is projected to begin in FY 2017 and retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,180,806	0	0	0	0	0	0	-1,180,806
Utility Pay Go	-926,634	0	0	0	0	0	0	-926,634
Total REVENUE	-2,107,440	0	0	0	0	0	0	-2,107,440

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
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 Indian Trail Town 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
SW038 Weddington Downtown Development	100,000	0	0	0	0	0	0	100,000
Total EXPENDITURES	2,107,440	0	0	0	0	0	0	2,107,440

Stallings- Collection System

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-64,200	0	0	0	0	0	0	-64,200
Utility Pay Go	-367,000	0	0	0	0	0	0	-367,000
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 & Engineering	106,200	0	0	0	0	0	0	106,200
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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,116,606	0	0	0	0	0	0	-1,116,606
Utility Pay Go	-150,634	0	0	0	0	0	0	-150,634
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 & 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

Indian Trail Town Center WW Service

Project Detail

Town Center Sewer Development

Project Scope

Project provides a community outreach project. Study to best provide wastewater service to Indian Trail Town Center.

Project Justification and History

Indian Trail Town Center Wastewater Service will provide solutions for addressing new wastewater service for the Indian Trail Town Center.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
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 & Engineering	103,000	0	0	0	0	0	0	103,000
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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
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 & Engineering	206,000	0	0	0	0	0	0	206,000
Total EXPENDITURES	206,000	0	0	0	0	0	0	206,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Weddington Downtown Development

Project Detail

Town Center Sewer Development

Project Scope

Project provides a study to determine the best method to service downtown Weddington with wastewater service.

Project Justification and History

As a part of the Community Outreach Program that was established as part of the Comprehensive Water and Wastewater Master Plan, this project will provide solutions for addressing wastewater service within Weddington's Downtown Development.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-100,000	0	0	0	0	0	0	-100,000
Total REVENUE	-100,000	0	0	0	0	0	0	-100,000
EXPENDITURES								
Construction	0	0	0	0	0	0	0	0
Design & Engineering	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

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 \$46,941,487. One issuance took place in FY 2016 of \$5,211,584 with a maximum annual debt service impact of \$347,073 beginning in FY 2017. The remaining issuance will be in FY 2017 of \$41,729,903 with a maximum debt service impact of \$2,689,358 beginning in FY 2018 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Capital Contribution	-1,693,650	0	0	0	0	0	0	-1,693,650
FY 2016 Revenue Bonds	-5,211,584	0	0	0	0	0	0	-5,211,584
Revenue Bond	-34,113,903	0	0	-7,616,000	0	0	0	-41,729,903
Utility Pay Go	-12,597,478	-2,849,000	0	0	0	0	0	-15,446,478
Total REVENUE	-53,616,615	-2,849,000	0	-7,616,000	0	0	0	-64,081,615

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
SP011 12 ML WWTP Design & Interim Imprv (Filters)	5,638,055	0	0	0	0	0	0	5,638,055
SP018 Hunley Creek WWTP Decommission	127,000	0	0	0	0	0	0	127,000
SP019 12 Mile Creek WWTP Expansion (6-7.5 MGD)	38,781,200	0	0	0	0	0	0	38,781,200

Twelve Mile Creek WWTP System Improvements

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
SW022 East Fork 12M Crk Parallel Trunk	8,137,760	0	0	0	0	0	0	8,137,760
SW032 Blythe Creek Sewer Improvements	234,200	2,849,000	0	0	0	0	0	3,083,200
SW037 West Fork 12ML Interceptor Improvements	698,400	0	0	7,616,000	0	0	0	8,314,400
UT020 12 Mile Creek WWTP Exp to 9.0 MGD	0	0	0	0	0	0	0	0
Total EXPENDITURES	53,616,615	2,849,000	0	7,616,000	0	0	0	64,081,615

12 ML WWTP Design & Interim Imprv (Filters)

Project Detail

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for 12 Mile Waste Water Treatment Plant Interim Improvements to replace the existing filters.

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-5,638,055	0	0	0	0	0	0	-5,638,055
Total REVENUE	-5,638,055	0	0	0	0	0	0	-5,638,055
EXPENDITURES								
Construction	3,231,850	0	0	0	0	0	0	3,231,850
Design & Engineering	2,406,205	0	0	0	0	0	0	2,406,205
Total EXPENDITURES	5,638,055	0	0	0	0	0	0	5,638,055
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Hunley Creek WWTP Decommission

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-127,000	0	0	0	0	0	0	-127,000
Total REVENUE	-127,000	0	0	0	0	0	0	-127,000
EXPENDITURES								
Construction	108,000	0	0	0	0	0	0	108,000
Design & Engineering	19,000	0	0	0	0	0	0	19,000
Total EXPENDITURES	127,000	0	0	0	0	0	0	127,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

12 Mile Creek WWTP Expansion (6-7.5 MGD)

Project Detail

Twelve Mile Creek WWTP System Improvements

Project Scope

Project provides for 1.5 MGD capacity expansion from 6 MGD to 7.5 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 1.5 MGD, from 6 MGD to 7.5 MGD.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-508,897	0	0	0	0	0	0	-508,897
Revenue Bond	-33,372,303	0	0	0	0	0	0	-33,372,303
Utility Pay Go	-4,900,000	0	0	0	0	0	0	-4,900,000
Total REVENUE	-38,781,200	0	0	0	0	0	0	-38,781,200
EXPENDITURES								
Construction	33,800,000	0	0	0	0	0	0	33,800,000
Design & Engineering	4,981,200	0	0	0	0	0	0	4,981,200
Total EXPENDITURES	38,781,200	0	0	0	0	0	0	38,781,200
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

East Fork 12M Crk Parallel Trunk

Project Detail

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 inst

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Capital Contribution	-1,693,650	0	0	0	0	0	0	-1,693,650
FY 2016 Revenue Bonds	-4,702,687	0	0	0	0	0	0	-4,702,687
Utility Pay Go	-1,741,423	0	0	0	0	0	0	-1,741,423
Total REVENUE	-8,137,760	0	0	0	0	0	0	-8,137,760
EXPENDITURES								
Capital Legal Land Easements	60,000	0	0	0	0	0	0	60,000
Construction	6,977,760	0	0	0	0	0	0	6,977,760
Design & Engineering	1,100,000	0	0	0	0	0	0	1,100,000
Total EXPENDITURES	8,137,760	0	0	0	0	0	0	8,137,760
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Blythe Creek Sewer Improvements

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-43,200	0	0	0	0	0	0	-43,200
Utility Pay Go	-191,000	-2,849,000	0	0	0	0	0	-3,040,000
Total REVENUE	-234,200	-2,849,000	0	0	0	0	0	-3,083,200
EXPENDITURES								
Construction	0	2,518,000	0	0	0	0	0	2,518,000
Design & Engineering	234,200	181,000	0	0	0	0	0	415,200
Easements	0	150,000	0	0	0	0	0	150,000
Total EXPENDITURES	234,200	2,849,000	0	0	0	0	0	3,083,200
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

West Fork 12ML Interceptor Improvements

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	-698,400	0	0	-7,616,000	0	0	0	-8,314,400
Total REVENUE	-698,400	0	0	-7,616,000	0	0	0	-8,314,400
EXPENDITURES								
Construction	0	0	0	7,212,000	0	0	0	7,212,000
Design & Engineering	698,400	0	0	328,000	0	0	0	1,026,400
Land Acquisition	0	0	0	76,000	0	0	0	76,000
Total EXPENDITURES	698,400	0	0	7,616,000	0	0	0	8,314,400
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.

The UCPW Building and Improvements program is primarily funded from the issuance of Revenue Bonds of \$4,030,965 in FY 2016. The maximum annual debt service impact for this program will be \$271,348 beginning in FY 2017 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-4,030,965	0	0	0	0	0	0	-4,030,965
Utility Pay Go	-6,884,411	0	0	0	0	0	0	-6,884,411
Total REVENUE	-10,915,376	0	0	0	0	0	0	-10,915,376

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PW005 PW - Gov Center 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 Center Renovations

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-187,288	0	0	0	0	0	0	-187,288
Utility Pay Go	-1,638,988	0	0	0	0	0	0	-1,638,988
Total REVENUE	-1,826,276	0	0	0	0	0	0	-1,826,276
EXPENDITURES								
Buildings & Improvements	1,826,276	0	0	0	0	0	0	1,826,276
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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-3,843,677	0	0	0	0	0	0	-3,843,677
Utility Pay Go	-5,245,423	0	0	0	0	0	0	-5,245,423
Total REVENUE	-9,089,100	0	0	0	0	0	0	-9,089,100
EXPENDITURES								
Construction	8,209,100	0	0	0	0	0	0	8,209,100
Design & Engineering	880,000	0	0	0	0	0	0	880,000
Total EXPENDITURES	9,089,100	0	0	0	0	0	0	9,089,100
Revenue (Over)/Under Exp.	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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-62,459	0	0	0	0	0	0	-62,459
Utility Pay Go	-2,479,541	-812,000	-239,000	-1,629,000	-886,000	-261,000	-402,000	-6,708,541
Total REVENUE	-2,542,000	-812,000	-239,000	-1,629,000	-886,000	-261,000	-402,000	-6,771,000

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
SW031 Helmsville Road PS Improvements	1,503,000	0	0	1,260,000	0	0	0	2,763,000
SW035 Collection System SSES & Rehab	609,000	580,000	0	123,000	633,000	0	134,000	2,079,000
SW036 Pumping Station Upgrades	430,000	232,000	239,000	246,000	253,000	261,000	268,000	1,929,000
Total EXPENDITURES	2,542,000	812,000	239,000	1,629,000	886,000	261,000	402,000	6,771,000

Helmsville Road PS Improvements

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-62,459	0	0	0	0	0	0	-62,459
Utility Pay Go	-1,440,541	0	0	-1,260,000	0	0	0	-2,700,541
Total REVENUE	-1,503,000	0	0	-1,260,000	0	0	0	-2,763,000
EXPENDITURES								
Construction	1,307,000	0	0	1,095,000	0	0	0	2,402,000
Design & Engineering	196,000	0	0	165,000	0	0	0	361,000
Total EXPENDITURES	1,503,000	0	0	1,260,000	0	0	0	2,763,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Collection System SSES & Rehab

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-609,000	-580,000	0	-123,000	-633,000	0	-134,000	-2,079,000
Total REVENUE	-609,000	-580,000	0	-123,000	-633,000	0	-134,000	-2,079,000
EXPENDITURES								
Construction	0	580,000	0	0	633,000	0	0	1,213,000
Design & Engineering	609,000	0	0	123,000	0	0	134,000	866,000
Total EXPENDITURES	609,000	580,000	0	123,000	633,000	0	134,000	2,079,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Pumping Station Upgrades

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-430,000	-232,000	-239,000	-246,000	-253,000	-261,000	-268,000	-1,929,000
Total REVENUE	-430,000	-232,000	-239,000	-246,000	-253,000	-261,000	-268,000	-1,929,000
EXPENDITURES								
Construction	365,000	197,000	203,000	209,000	215,000	222,000	228,000	1,639,000
Design & Engineering	65,000	35,000	36,000	37,000	38,000	39,000	40,000	290,000
Total EXPENDITURES	430,000	232,000	239,000	246,000	253,000	261,000	268,000	1,929,000
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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-459,681	0	0	0	0	0	0	-459,681
Utility Pay Go	-6,663,279	-1,137,500	-1,171,500	-1,206,500	-1,242,500	-717,500	-1,479,000	-13,617,779
Total REVENUE	-7,122,960	-1,137,500	-1,171,500	-1,206,500	-1,242,500	-717,500	-1,479,000	-14,077,460

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
MS006 Wastewater R&R Program	2,411,360	637,500	656,500	676,500	696,500	717,500	1,479,000	7,274,860
MS009 Manhole Rehab 12ML & Grassy Branch	1,136,640	0	0	0	0	0	0	1,136,640
MS010 SCADA Master Plan - Wastewater	300,000	500,000	515,000	530,000	546,000	0	0	2,391,000
SP015 Tallwood WWTP Replacement	2,454,960	0	0	0	0	0	0	2,454,960
SP020 Grassy Branch WWTP	550,000	0	0	0	0	0	0	550,000
SP021 Olde Sycamore WWTP Improvements	270,000	0	0	0	0	0	0	270,000
Total EXPENDITURES	7,122,960	1,137,500	1,171,500	1,206,500	1,242,500	717,500	1,479,000	14,077,460

Wastewater R&R Program

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-2,411,360	-637,500	-656,500	-676,500	-696,500	-717,500	-1,479,000	-7,274,860
Total REVENUE	-2,411,360	-637,500	-656,500	-676,500	-696,500	-717,500	-1,479,000	-7,274,860
EXPENDITURES								
Construction	2,056,360	542,000	558,000	575,000	592,000	610,000	1,257,000	6,190,360
Design & Engineering	355,000	95,500	98,500	101,500	104,500	107,500	222,000	1,084,500
Total EXPENDITURES	2,411,360	637,500	656,500	676,500	696,500	717,500	1,479,000	7,274,860
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Manhole Rehab 12ML & Grassy Branch

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-299,498	0	0	0	0	0	0	-299,498
Utility Pay Go	-837,142	0	0	0	0	0	0	-837,142
Total REVENUE	-1,136,640	0	0	0	0	0	0	-1,136,640
EXPENDITURES								
Construction	1,001,640	0	0	0	0	0	0	1,001,640
Design & Engineering	135,000	0	0	0	0	0	0	135,000
Total EXPENDITURES	1,136,640	0	0	0	0	0	0	1,136,640
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SCADA Master Plan - Wastewater

Project Detail

Wastewater Rehabilitation and Replacement

Project Scope

This project will develop a master plan for the replacement of the existing Wastewater SCADA System that will identify an implementation strategy for the next 5 years.

Project Justification and History

As system growth continues so does the importance of operating the utility as efficiently as possible, and making use of staff resources and software tools to support operational strategies. The existing SCADA system is proprietary equipment and has operational limitations, therefore the renewal and replacement of the existing SCADA system is needed to upgrade our collection of data communication and provide for a more intelligent network.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-300,000	-500,000	-515,000	-530,000	-546,000	0	0	-2,391,000
Total REVENUE	-300,000	-500,000	-515,000	-530,000	-546,000	0	0	-2,391,000
EXPENDITURES								
Construction	0	500,000	515,000	530,000	546,000	0	0	2,091,000
Design & Engineering	300,000	0	0	0	0	0	0	300,000
Total EXPENDITURES	300,000	500,000	515,000	530,000	546,000	0	0	2,391,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Tallwood WWTP Replacement

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-84,463	0	0	0	0	0	0	-84,463
Utility Pay Go	-2,370,497	0	0	0	0	0	0	-2,370,497
Total REVENUE	-2,454,960	0	0	0	0	0	0	-2,454,960
EXPENDITURES								
Construction	2,122,000	0	0	0	0	0	0	2,122,000
Design & Engineering	332,960	0	0	0	0	0	0	332,960
Total EXPENDITURES	2,454,960	0	0	0	0	0	0	2,454,960
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Grassy Branch WWTP

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-45,806	0	0	0	0	0	0	-45,806
Utility Pay Go	-504,194	0	0	0	0	0	0	-504,194
Total REVENUE	-550,000	0	0	0	0	0	0	-550,000
EXPENDITURES								
Construction	500,000	0	0	0	0	0	0	500,000
Design & Engineering	50,000	0	0	0	0	0	0	50,000
Total EXPENDITURES	550,000	0	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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-29,914	0	0	0	0	0	0	-29,914
Utility Pay Go	-240,086	0	0	0	0	0	0	-240,086
Total REVENUE	-270,000	0	0	0	0	0	0	-270,000
EXPENDITURES								
Construction	216,000	0	0	0	0	0	0	216,000
Design & Engineering	54,000	0	0	0	0	0	0	54,000
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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-318,000	0	0	0	-380,000	0	0	-698,000
Total REVENUE	-318,000	0	0	0	-380,000	0	0	-698,000
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
PW007 Master Plan Update	318,000	0	0	0	380,000	0	0	698,000
Total EXPENDITURES	318,000	0	0	0	380,000	0	0	698,000

Master Plan Update

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-318,000	0	0	0	-380,000	0	0	-698,000
Total REVENUE	-318,000	0	0	0	-380,000	0	0	-698,000
EXPENDITURES								
Design & Engineering	318,000	0	0	0	380,000	0	0	698,000
Total EXPENDITURES	318,000	0	0	0	380,000	0	0	698,000
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 Water Rehabilitation and Replacement program is partially funding through issuance of Revenue Bonds in FY 2016 in the amount of \$2,239,360. The maximum annual debt service impact for this issuance will be \$156,435 beginning in FY 2017 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-2,239,360	0	0	0	0	0	0	-2,239,360
Utility Pay Go	-4,987,619	-1,602,000	-1,649,500	-1,698,500	-1,749,000	-1,356,000	-2,909,000	-15,951,619
Total REVENUE	-7,226,979	-1,602,000	-1,649,500	-1,698,500	-1,749,000	-1,356,000	-2,909,000	-18,190,979

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
MW008 HWY84 24" WL Relocation	499,848	0	0	0	0	0	0	499,848
MW016 Water R&R Program	981,000	522,000	537,500	553,500	570,000	587,000	1,210,000	4,961,000
MW019 Galvanized Waterline Replacement	2,224,531	580,000	597,000	615,000	633,000	653,000	672,000	5,974,531
MW020 WL Replacement Austin Ch Rd/Rky Rv	1,941,000	0	0	0	0	0	0	1,941,000
MW021 Pilgrims Pride Line & Vault Replace	200,000	0	0	0	0	0	0	200,000
MW025 SCADA Master Plan - Water	300,000	500,000	515,000	530,000	546,000	0	0	2,391,000
WT043 HWY 75 BPS Rehab	1,080,600	0	0	0	0	116,000	1,027,000	2,223,600
Total EXPENDITURES	7,226,979	1,602,000	1,649,500	1,698,500	1,749,000	1,356,000	2,909,000	18,190,979

HWY84 24" WL Relocation

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-464,755	0	0	0	0	0	0	-464,755
Utility Pay Go	-35,093	0	0	0	0	0	0	-35,093
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 & Engineering	52,174	0	0	0	0	0	0	52,174
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

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-981,000	-522,000	-537,500	-553,500	-570,000	-587,000	-1,210,000	-4,961,000
Total REVENUE	-981,000	-522,000	-537,500	-553,500	-570,000	-587,000	-1,210,000	-4,961,000
EXPENDITURES								
Construction	785,000	417,500	430,000	443,000	456,000	469,500	968,000	3,969,000
Design & Engineering	196,000	104,500	107,500	110,500	114,000	117,500	242,000	992,000
Total EXPENDITURES	981,000	522,000	537,500	553,500	570,000	587,000	1,210,000	4,961,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Galvanized Waterline Replacement

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,303,160	0	0	0	0	0	0	-1,303,160
Utility Pay Go	-921,371	-580,000	-597,000	-615,000	-633,000	-653,000	-672,000	-4,671,371
Total REVENUE	-2,224,531	-580,000	-597,000	-615,000	-633,000	-653,000	-672,000	-5,974,531
EXPENDITURES								
Construction	1,880,294	493,000	507,000	523,000	538,000	555,000	571,000	5,067,294
Design & Engineering	339,504	87,000	90,000	92,000	95,000	98,000	101,000	902,504
Other Activities	4,733	0	0	0	0	0	0	4,733
Total EXPENDITURES	2,224,531	580,000	597,000	615,000	633,000	653,000	672,000	5,974,531
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

WL Replacement Austin Ch Rd/Rky Rv

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-294,570	0	0	0	0	0	0	-294,570
Utility Pay Go	-1,646,430	0	0	0	0	0	0	-1,646,430
Total REVENUE	-1,941,000	0	0	0	0	0	0	-1,941,000
EXPENDITURES								
Construction	1,592,600	0	0	0	0	0	0	1,592,600
Design & Engineering	348,400	0	0	0	0	0	0	348,400
Total EXPENDITURES	1,941,000	0	0	0	0	0	0	1,941,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Pilgrims Pride Line & Vault Replace

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-62,915	0	0	0	0	0	0	-62,915
Utility Pay Go	-137,085	0	0	0	0	0	0	-137,085
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 & Engineering	40,000	0	0	0	0	0	0	40,000
Total EXPENDITURES	200,000	0	0	0	0	0	0	200,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

SCADA Master Plan - Water

Project Detail

Water Rehabilitation and Replacement

Project Scope

This project will develop a master plan for the replacement of the existing Water SCADA System that will identify an implementation strategy for the next 5 years.

Project Justification and History

As system growth continues so does the importance of operating the utility as efficiently as possible, and making use of staff resources and software tools to support operational strategies. The existing SCADA system is proprietary equipment and has operational limitations, therefore the renewal and replacement of the existing SCADA system is needed to upgrade our collection of data communication and provide for a more intelligent network.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-300,000	-500,000	-515,000	-530,000	-546,000	0	0	-2,391,000
Total REVENUE	-300,000	-500,000	-515,000	-530,000	-546,000	0	0	-2,391,000
EXPENDITURES								
Construction	0	500,000	515,000	530,000	546,000	0	0	2,091,000
Design & Engineering	300,000	0	0	0	0	0	0	300,000
Total EXPENDITURES	300,000	500,000	515,000	530,000	546,000	0	0	2,391,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

HWY 75 BPS Rehab

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-113,960	0	0	0	0	0	0	-113,960
Utility Pay Go	-966,640	0	0	0	0	-116,000	-1,027,000	-2,109,640
Total REVENUE	-1,080,600	0	0	0	0	-116,000	-1,027,000	-2,223,600
EXPENDITURES								
Construction	982,900	0	0	0	0	0	955,000	1,937,900
Design & Engineering	97,700	0	0	0	0	116,000	72,000	285,700
Total EXPENDITURES	1,080,600	0	0	0	0	116,000	1,027,000	2,223,600
Revenue (Over)/Under Exp.	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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-957,000	0	-359,000	0	0	-391,000	0	-1,707,000
Total REVENUE	-957,000	0	-359,000	0	0	-391,000	0	-1,707,000
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
WT054 Marshville Water Tank Rehab	639,000	0	0	0	0	0	0	639,000
WT063 Water Tank Rehabilitation	318,000	0	359,000	0	0	391,000	0	1,068,000
Total EXPENDITURES	957,000	0	359,000	0	0	391,000	0	1,707,000

Marshville Water Tank Rehab

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
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 & Engineering	89,000	0	0	0	0	0	0	89,000
Total EXPENDITURES	639,000	0	0	0	0	0	0	639,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Water Tank Rehabilitation

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Utility Pay Go	-318,000	0	-359,000	0	0	-391,000	0	-1,068,000
Total REVENUE	-318,000	0	-359,000	0	0	-391,000	0	-1,068,000
EXPENDITURES								
Construction	254,000	0	287,000	0	0	313,000	0	854,000
Design & Engineering	64,000	0	72,000	0	0	78,000	0	214,000
Total EXPENDITURES	318,000	0	359,000	0	0	391,000	0	1,068,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Yadkin Basin WRF

Program Detail

Program Scope

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

Program Operating Budget Impact

The projects within the program will have some operating budget impacts. Until the preliminary design and engineering studies are complete it is difficult to quantify what those impacts might be. The cost will be influenced by what technology and processes are established during the design phase.

The Yadkin Basin WRF program is primarily funded from the issuance of Revenue Bonds of \$80,377,000. One issuance will take place in FY 2017 in the amount of \$2,030,000 with a maximum annual debt service impact for this issuance will be \$143,007 beginning in FY 2018 and will retire in twenty years. The remaining issuance will be in FY 2020 of \$78,347,000 with a maximum debt service impact of \$5,037,978 beginning in FY 2021 and will retire in twenty years.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	0	-1,500,000	-530,000	-4,513,000	-73,834,000	0	0	-80,377,000
Total REVENUE	0	-1,500,000	-530,000	-4,513,000	-73,834,000	0	0	-80,377,000
Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
UT023 Yadkin Basin WRF	0	1,500,000	530,000	3,825,000	63,929,000	0	0	69,784,000
UT024 Poplin Road Interceptor	0	0	0	688,000	9,905,000	0	0	10,593,000
Total EXPENDITURES	0	1,500,000	530,000	4,513,000	73,834,000	0	0	80,377,000

Yadkin Basin WRF

Project Detail

Yadkin Basin WRF

Project Scope

Project consist of a new 4.0 MGD Water Reclamation Facility and related improvements.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan Addendum identified the need to provide additional wastewater treatment capacity in the Crooked Creek service area. This project will provide the treatment capacity for the Yadkin Basin and will be expandable to accomodate future growth.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	0	-1,500,000	-530,000	-3,825,000	-63,929,000	0	0	-69,784,000
Total REVENUE	0	-1,500,000	-530,000	-3,825,000	-63,929,000	0	0	-69,784,000
EXPENDITURES								
Construction	0	0	0	0	59,427,000	0	0	59,427,000
Design & Engineering	0	1,000,000	530,000	3,825,000	4,502,000	0	0	9,857,000
Land Acquisition	0	500,000	0	0	0	0	0	500,000
Total EXPENDITURES	0	1,500,000	530,000	3,825,000	63,929,000	0	0	69,784,000
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Poplin Road Interceptor

Project Detail

Yadkin Basin WRF

Project Scope

Project provides for approximately 400 LF of 48" and 18,400 LF of 30" gravity sewer along Crooked Creek.

Project Justification and History

The Comprehensive Water and Wastewater Master Plan Addendum identified the need to provide additional wastewater treatment capacity in the Crooked Creek Basin. This project will convey wastewater flow from the existing Poplin Road PS to the new Crooked Creek WRF.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	0	0	0	-688,000	-9,905,000	0	0	-10,593,000
Total REVENUE	0	0	0	-688,000	-9,905,000	0	0	-10,593,000
EXPENDITURES								
Construction	0	0	0	0	9,342,000	0	0	9,342,000
Design & Engineering	0	0	0	546,000	563,000	0	0	1,109,000
Land Acquisition	0	0	0	142,000	0	0	0	142,000
Total EXPENDITURES	0	0	0	688,000	9,905,000	0	0	10,593,000
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 \$179,270,900. One issuance took place in FY 2016 of \$1,658,123 with a maximum annual debt service impact of \$119,154 beginning in FY 2017. One issuance will take place annually beginning in FY 2018 through FY 2021. The issuance amounts and maximum annual debt service impacts are as follows: FY 2018 issuance in the amount of \$16,686,472, maximum debt service impact of \$1,083,072; FY 2019 issuance in the amount of \$53,346,987, maximum debt service impact of \$3,434,477 ; FY 2020 issuance in the amount of \$84,419,597, maximum debt service impact of \$5,427,474; FY 2021 issuance in the amount of \$20,448,334, maximum debt service impact of \$1,324,358. The debt service impact will begin the fiscal year following the issuance and will retire twenty years after the issuance date.

Program Resource Summary

Program Funding	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,658,123	0	0	0	0	0	0	-1,658,123
Revenue Bond	-2,711,387	-1,803,530	-14,882,942	-53,346,987	-84,419,597	-20,448,334	0	-177,612,777
Total REVENUE	-4,369,510	-1,803,530	-14,882,942	-53,346,987	-84,419,597	-20,448,334	0	-179,270,900

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
EXPENDITURES								
UT011 Yadkin Distribution System Improvements	0	0	0	0	3,716,733	20,448,334	0	24,165,067
UT026 Raw Water Intake & Pump Station	0	0	901,500	0	5,419,606	0	0	6,321,106
UT027 Raw Water Transmission Main	0	0	6,261,326	8,287,242	75,283,258	0	0	89,831,826

Yadkin River Water Supply

Program Detail

Program Projects	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
UT028 New Yadkin Water Treatment Plant	0	742,630	7,720,116	45,059,745	0	0	0	53,522,491
WP005 YRWSP Permitting	4,369,510	1,060,900	0	0	0	0	0	5,430,410
Total EXPENDITURES	4,369,510	1,803,530	14,882,942	53,346,987	84,419,597	20,448,334	0	179,270,900

Yadkin Distribution System Improvements

Project Detail

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 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	0	0	0	0	-3,716,733	-20,448,334	0	-24,165,067
Total REVENUE	0	0	0	0	-3,716,733	-20,448,334	0	-24,165,067
EXPENDITURES								
Construction	0	0	0	0	0	20,448,334	0	20,448,334
Design & Engineering	0	0	0	0	3,716,733	0	0	3,716,733
Total EXPENDITURES	0	0	0	0	3,716,733	20,448,334	0	24,165,067
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Raw Water Intake & Pump Station

Project Detail

Yadkin River Water Supply

Project Scope

Project provides for the a new raw water intake and pump station in Lake Tillery.

Project Justification and History

The 2011 Master Plan identified the need for a long term water supply from the Yadkin River Basin. This project is one of several that will supplement the new Water Treatment Plant.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
<i>REVENUE</i>								
Revenue Bond	0	0	-901,500	0	-5,419,606	0	0	-6,321,106
Total REVENUE	0	0	-901,500	0	-5,419,606	0	0	-6,321,106
<i>EXPENDITURES</i>								
Construction	0	0	0	0	5,419,606	0	0	5,419,606
Design & Engineering	0	0	901,500	0	0	0	0	901,500
Total EXPENDITURES	0	0	901,500	0	5,419,606	0	0	6,321,106
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Raw Water Transmission Main

Project Detail

Yadkin River Water Supply

Project Scope

Project consist of approximately 29 miles of 36" raw water transmission main from Lake Tillery to Union County.

Project Justification and History

The 2011 Master Plan identified the need for a long term water supply from the Yadkin River Basin. This project is one of several that will supplement the new Water Treatment Plant.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total	
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022		
REVENUE									
Revenue Bond	0	0	-6,261,326	-8,287,242	-75,283,258	0	0	-89,831,826	
Total REVENUE	0	0	-6,261,326	-8,287,242	-75,283,258	0	0	-89,831,826	
EXPENDITURES									
Construction	0	0	0	0	75,283,258	0	0	75,283,258	
Design & Engineering	0	0	6,261,326	6,261,326	0	0	0	12,522,652	
Land Acquisition	0	0	0	2,025,916	0	0	0	2,025,916	
Other Activities	0	0	0	0	0	0	0	0	
Total EXPENDITURES	0	0	6,261,326	8,287,242	75,283,258	0	0	89,831,826	
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0	

New Yadkin Water Treatment Plant

Project Detail

Yadkin River Water Supply

Project Scope

Project provides for a new 12.0 MGD Water Treatment Plant

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 provide additional Water Treatment Capacity to meet expected future water demands.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
Revenue Bond	0	-742,630	-7,720,116	-45,059,745	0	0	0	-53,522,491
Total REVENUE	0	-742,630	-7,720,116	-45,059,745	0	0	0	-53,522,491
EXPENDITURES								
Construction	0	0	0	45,059,745	0	0	0	45,059,745
Design & Engineering	0	0	7,720,116	0	0	0	0	7,720,116
Land Acquisition	0	742,630	0	0	0	0	0	742,630
Other Activities	0	0	0	0	0	0	0	0
Total EXPENDITURES	0	742,630	7,720,116	45,059,745	0	0	0	53,522,491
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

YRWSP Permitting

Project Detail

Yadkin River Water Supply

Project Scope

Project provides for the Yadkin Inter Basin Transfer Permit of 26 MGD, Yadkin IBT/FERC permitting of a new raw water supply system and water treatment plant to provide additional water supply.

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.

Project Resource Summary

Project Phase	Project To-Date Appropriation	Adopted FY 2017	Unappropriated Planning Years					Total
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
REVENUE								
FY 2016 Revenue Bonds	-1,658,123	0	0	0	0	0	0	-1,658,123
Revenue Bond	-2,711,387	-1,060,900	0	0	0	0	0	-3,772,287
Total REVENUE	-4,369,510	-1,060,900	0	0	0	0	0	-5,430,410
EXPENDITURES								
Construction	0	0	0	0	0	0	0	0
Design & Engineering	4,144,510	1,060,900	0	0	0	0	0	5,205,410
Other Activities	225,000	0	0	0	0	0	0	225,000
Total EXPENDITURES	4,369,510	1,060,900	0	0	0	0	0	5,430,410
Revenue (Over)/Under Exp.	0	0	0	0	0	0	0	0

Union County Public Schools

As in FY 2016, the budget process for the County deliberation of the Union County Public Schools is separated from the County services and Fire Department budget processes.

The “bifurcated” budget process focuses on key principles:

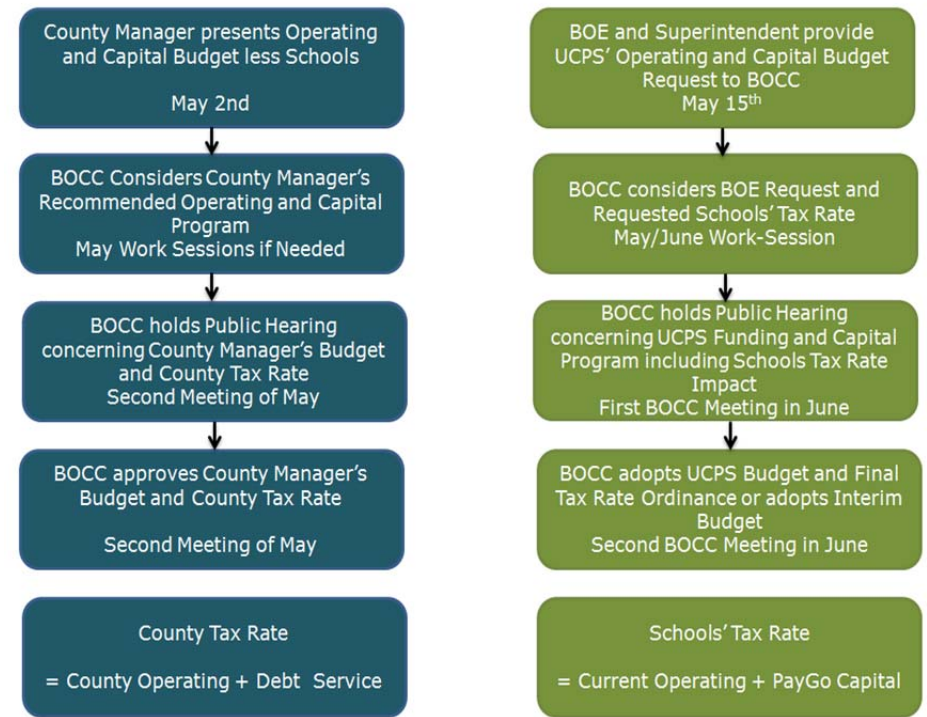
- Foster an Environment of Cooperation
- Foster an Environment of Transparency
- Foster an Environment of Communication and Openness
- Foster an Environment of Trust
- Foster an Environment of Fairness
- Foster a Public Dialogue with the Board of Education Concerning UCPS’ Funding
- Foster a Dialogue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

These principles lay a foundation for goals in the process. The process works to:

- Ensure Transparency and Communication
- Ensure Fiscal Sustainability
- Ensure a Public Dialogue Concerning UCPS’ Funding Necessary to Provide a Sound Basic Education
- 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

As the graphic indicates, the process runs parallel to the County’s process and meets the goals established for the deliberation process.

Based upon the work sessions and public hearings, the Board of County Commissioners will establish the tax rate for County Operations. As allowed for in G.S. 153A-149(b)(7), will establish a separate tax rate “to provide for the County’s share of the cost of kindergarten, elementary, secondary, and post-secondary public education.”



Addendum to the County Manager’s Proposed FY 2017 Operating and Capital Budget

In accordance with North Carolina General Statute §159-11, the addendum completes the County Manager’s *Proposed FY 2017 Operating and Capital Budget*. The Board of County Commissioners received the *Proposed FY 2017 Operating and Capital Budget* for County Services on May 2, 2016. The original document did not include a funding recommendation concerning Union County Public Schools’ current expense or capital because the Board of Education budget and capital request was not due until May 15, 2016.

During the Board of County Commissioner’s meeting on May 16, 2016, the Board provided tentative approval in a 5-0 vote to the Manager’s *Proposed FY 2017 Operating and Capital Budget*, with one notable exception related to fire funding which is discussed in the Emergency Services Section (Section I of this document).



The addendum serves to provide the final components of *Proposed FY 2017 Operating and Capital Budget*. The addendum incorporates direction from the Board of County Commissioners through its May 16, 2016 meeting and provides the proposed funding for Union County Public Schools' current expense and capital.

Tax Rate Recommendations:

The County Manager's *Proposed FY 2017 Operating and Capital Budget* included initial tax rate recommendations concerning the rates for County operations, Emergency Medical Services, and Fire Services, however, excluded from that recommendation was the Schools tax.

In the addendum, there were no tax rate increases from FY 2016 recommended for any of the countywide tax rates (as of June 1st, 2016).

	FY 2016 Adopted	FY 2017 Proposed
General County Tax	0.2882	0.2882
Schools Tax	0.4572	0.4572
Emergency Medical Services Tax	0.0263	0.0263
County-Wide Fire Tax	0.0048	0.0048

The two significant changes in the tax rate recommendations from the original County Manager's *Proposed FY 2017 Operating and Capital Budget* are the inclusion of the Schools Tax Rate and revision to the County-Wide Fire Tax.

As these were the changes to the original proposed budget, the addendum provided revisions and recommendations related to these areas. Otherwise the remainder of the County Manager's *Proposed FY 2017 Operating and Capital Budget* remained as proposed and tentatively approved by the Board of County Commissioners on May 16, 2016.

Union County Public Schools Funding

On May 13, 2016, the Board of County Commissioners received the FY 2017 Board of Education's request for funding. During joint work sessions on May 16 and May 24, with the Board of Education, the BOCC and staff heard presentations and held discussions related to the needs of the school system. The adopted budget

reflects the exhaustive consideration of the information provided as well as other pertinent, related information.

Board of Education Request

The Board of Education provided their budget request on May 13, 2016. During two subsequent work sessions the BOE and their staff presented their budget request and the reasoning behind their specific request.

The Board of Education is requesting \$257.76 million of capital funding. The following table details how the \$257.76 million is broken down between the annual capital items and the request for a possible bond election in the fall of 2016.

Board of Education Capital Funding Request

	FY 2017 Requested
Annual Capital Request	\$ 22,097,461
Information Technology Equipment	1,552,181
Maintenance Vehicles and GPS Replacement	250,000
Furniture and Furnishings	300,000
Scope and Market Driven Increases in Projects	600,000
Undesignated Capital Funding	2,000,000
Brick and Mortar Bond Referendum Projects	230,962,322
Total Current Expense Request	\$ 257,761,964

A detailed listing of the annual capital projects and other information was included as part of the Board of Education's submission.

For the consideration of the FY 2017 funding levels, the funding for the Brick and Mortar Bond Referendum Projects will be considered as part of a November 2016 G.O. Bond Referendum. See the Debt Management Section for an update regarding a bond referendum (Section H of this document).

Adopted FY 2017 UCPS Local Funding

Funding Priorities

The adopted funding level is based on the following priorities:



- Funding what is necessary to maintain a system of free public schools.
- Fiscally sustainable funding, while creating a plan that establishes a level of funding sufficient to fund the opportunity for a sound, basic education, while establishing sustainable tax rates.
- Providing maintenance and ensuring a safe and secure environment within the UCPS facilities.
- Funding shortfalls in federal and/or State funding only when necessary to provide a sound, basic education or to maintain a safe and secure school environment.
- Prioritizing the various requests while balancing the fiscal constraints.
- Ensuring that all funding is specifically assigned, allowing contingent funding to be reprioritized to higher priority items.

Capital Funding

As mentioned earlier, the Board of Education capital funding request contains two components. The “Brick and Mortar” bond referendum projects and the other annual capital projects.

For the purposes of the adopted FY 2017 Budget, the “Brick and Mortar” projects have been set aside. At the time of the preparation of this document, there is not a recommendation concerning these projects. The remaining \$26.8 million request has been reviewed and analyzed.

During the joint meeting held on May 24, 2016, the BOE and the Board of County Commissioners had extensive dialogue concerning the capital funding and other items. During this meeting it was clearly stated that the priorities for funding the capital request were the safety and security projects, the American’s with Disabilities Act (ADA) projects, and the building envelope.

Staff agrees with these priorities, and would include the building systems and HVAC projects. In addition to these priorities, there were various furniture, vehicle, and information technology requests included.

The prioritization of the funding was ranked in order as follows:

1. Safety and Security Projects
2. ADA Projects
3. Primary HVAC; Roofing; Building Systems; and Structure
4. Expansions and Renovations

The adopted local funding for capital is \$17.75 million, an increase of \$1.12 million or 6.75 percent. The funding is summarized by priority area as reflected in the following table and to be funded by project, as in years past (as reflected in the attachments).

The additional projects that were not funded should be evaluated in light of the following year’s projects and prioritized in next year’s request.

A detailed listing of the approved projects is attached, as well as the listing of projects not approved in this year.

It should be noted, the Board of Education has the ability to come to the Board of County Commissioners during emergency situations for projects.

Emergencies, as defined by NCGS §115C-433(d), are “emergencies unforeseen and unforeseeable at the time the budget resolution

Union County Public Schools Capital Funding Summary

Program Name	Description	Adopted
ADA	Americans with Disability Act Projects	\$ 5,351,394
Building Systems	Projects include HVAC; Building System Automation; DDC Controls	2,996,200
Expansion Renovations	Major renovation projects	2,109,872
Information Technology/Other	Projects include Vehicles; GPS System; Information Technology Improvements	2,309,681
Roofing	Roofing repairs	3,255,195
Safety and Security	Projects include emergency lighting; fire alarms; strategic fencing; HID doors	98,500
Structural	Projects include windows; doors; flooring; site improvements; etc	1,628,358
Total Proposed Capital Funding		\$ 17,749,200



was adopted.” In addition, should the BOE need to request “emergency” funding from the BOCC, the request should include:

- Why the emergency was not foreseen or foreseeable at the time the budget resolution was adopted;
- What specific objects of expenditure will be added or increased; and
- What objects or expenditure will be eliminated or reduced.

THIS SPACE INTENTIONALLY
LEFT BLANK

THIS SPACE INTENTIONALLY
LEFT BLANK



GENERAL CPO FUND - SCHOOLS**Projects**

Program Sources & Uses	Appropriation -to-Date	Adopted FY 2017	Total Appropriation
REVENUE			
General Pay Go	\$ (49,769,529)	(17,749,200)	(67,518,729)
Total Sources	\$ (49,769,529)	(17,749,200)	(67,518,729)
EXPENDITURES			
Capital Outlay FY 2014 Additional	\$ 5,357,859	-	5,357,859
Benton Heights Roof Repair	928,750	-	928,750
East Union Middle Roof Repair	326,700	-	326,700
Forest Hillls High Roof Repair	451,326	-	451,326
Indian Trail Elementary Roof Repair	355,000	-	355,000
Marshville Elementary Roof Repair	393,900	-	393,900
New Salem Elementary Roof Repair	181,600	-	181,600
Piedmont Middle Roof Repair	34,500	-	34,500
Piedmont High Roof Repair	144,260	-	144,260
Parkwood High Roof Repair	551,503	-	551,503
Parkwood Middle Roof Repair	1,264,350	-	1,264,350
Sun Valley Middle Roof Repair	928,500	-	928,500
South Providence Roof Repair	393,500	-	393,500
Technical Services Roof Repair	153,870	-	153,870
Unionville Elementary Roof Repair	26,236	-	26,236
Walter Bickett Education Center Roof	651,950	-	651,950
Wesley Chapel Elementary Roof	4,000	-	4,000
Weddington Middle/Elementary Roof	260,300	-	260,300
Wingate Elementary Roof Repair	620,267	-	620,267
Western Union Elementary Roof	285,708	-	285,708
Roofing Audits	72,000	-	72,000
Capital Outlay FY 2015	19,069,779	-	19,069,779
Technology	377,359	-	377,359
FY 2016 Capital Outlay			
Capital Outlay FY 2016	2,457,649	-	2,457,649
Benton Heights Renovations	1,891,623	-	1,891,623
IP Security Cameras	1,307,250	-	1,307,250
Technology and Transportation	1,000,000	-	1,000,000

GENERAL CPO FUND - SCHOOLS

Projects

Program Sources & Uses	Appropriation -to-Date	Adopted FY 2017	Total Appropriation
<i>FY 2016 Roofing Projects</i>			
Antioch Roof Repair FY 2016	324,220	-	324,220
CATA Roof Repair FY 2016	277,650	-	277,650
Fairview Roof Repair FY 2016	596,700	-	596,700
Forest Hills Roof Repair FY 2016	12,200	-	12,200
Kensington Roof Repair FY 2016	350,000	-	350,000
Marvin Elementary Roof Repair FY 2016	661,800	-	661,800
New Salem Roof Repair FY 2016	140,890	-	140,890
New Town Roof Repair FY 2016	400,000	-	400,000
Piedmont High Roof Repair FY 2016	326,625	-	326,625
Porter Ridge Elementary Roof Repair FY 2016	510,650	-	510,650
Porter Ridge High Roof Repair FY 2016	1,782,965	-	1,782,965
Prospect Roof Repair FY 2016	666,285	-	666,285
Rea View Roof Repair FY 2016	350,000	-	350,000
Rock Rest Roof Repair FY 2016	350,000	-	350,000
Sandy Ridge Roof Repair FY 2016	350,000	-	350,000
Unionville Roof Repair FY 2016	849,789	-	849,789
Walter Bickett Education Roof Repair FY 2016	307,650	-	307,650
Walter Bickett Elementary Roof Repair FY 2016	350,000	-	350,000
Weddington High Roof Repair FY 2016	687,100	-	687,100
Wesley Chapel Roof Repair FY 2016	116,000	-	116,000
East Elementary Roof Repair FY 2016	412,266	-	412,266
Wingate Roof Repair FY 2016	257,000	-	257,000
Wolfe Roof Repair FY 2016	200,000	-	200,000
<i>FY 2017 ADA Projects</i>			
Benton Heights Elementary - Upgrade Door Hardware	-	16,720	16,720
Benton Heights Elementary - Upgrade Restrooms	-	491,906	491,906
CATA - Accessible Restrooms	-	50,000	50,000
East Elementary- Upgrade Restrooms	-	291,200	291,200
Forest Hills High - Access at cafeteria and greenhouse	-	38,500	38,500
Forest Hills High - Upgrade to ball fields	-	97,680	97,680
Hemby Bridge Elementary - Restroom for EC Classroom	-	12,672	12,672
Indian Trail Elementary - Toilet Rooms Issues	-	153,393	153,393

GENERAL CPO FUND - SCHOOLS**Projects**

Program Sources & Uses	Appropriation -to-Date	Adopted FY 2017	Total Appropriation
<i>FY 2017 ADA Projects (continued)</i>			
Marshville Elementary - Upgrade Restrooms	-	403,750	403,750
New Salem Elementary - Group Restrooms	-	92,092	92,092
Parkwood High - Fieldhouse	-	175,000	175,000
Parkwood High - Restroom Issues	-	510,874	510,874
Parkwood Middle - Restroom Issues	-	288,470	288,470
Piedmont High - Toilet Rooms Accessibility Evaluation	-	361,998	361,998
Piedmont Middle - Interior Accessibility Evaluation	-	41,530	41,530
Piedmont Middle - Toilet Rooms Accessibility Evaluation	-	279,734	279,734
Piedmont Middle - Address issues in boys and girls locker rooms	-	322,264	322,264
Prospect Elementary - Toilet Rooms	-	86,781	86,781
Prospect Elementary - Access to MCRs	-	152,781	152,781
Sun Valley Middle - Add accessible restroom in self contained classroom	-	12,672	12,672
Union Elementary - Update Restrooms	-	187,824	187,824
Unionville Elementary - EC Classrooms need H/C Accessible Restrooms	-	19,219	19,219
Unionville Elementary - Upgrade Restrooms	-	26,208	26,208
Various- Issues OCR compliance - Unspecified Locations	-	218,480	218,480
Walter Bickett - Additional staff accessible toilets	-	25,344	25,344
Walter Bickett - Toilet rooms accessibility evaluations	-	203,768	203,768
Waxhaw Elementary - Toilet Rooms	-	273,546	273,546
Wesley Chapel Elementary-Restroom Issue	-	168,704	168,704
Western Union Elementary-Toilet Rooms Accessibility Evaluation	-	145,000	145,000
Western Union Elementary-Restrooms	-	203,284	203,284
<i>FY 2017 Building Systems Projects</i>			
Monroe High School-Add separate A/C for kitchen	-	35,750	35,750
Monroe High School-Replace lighting in auxiliary gym	-	45,000	45,000
Parkwood High-Establish outside air in areas	-	275,000	275,000
Sun Valley Middle-HVAC/Chiller Replacement	-	1,100,750	1,100,750
Sun Valley Middle-Dedicated A/C for Kitchen	-	35,200	35,200
Unionville Elementary-Replace existing chiller	-	52,500	52,500
Unionville Elementary-Provide outside air to classrooms	-	220,000	220,000
Unionville Elementary-Provide new DDC Building Management System	-	220,000	220,000
Various-Building Automation System Completion	-	275,000	275,000

GENERAL CPO FUND - SCHOOLS

Projects

Program Sources & Uses	Appropriation -to-Date	Adopted FY 2017	Total Appropriation
<i>FY 2017 Building Systems Projects (continued)</i>			
Weddington Elementary-New DDC control system	-	192,500	192,500
Weddington Middle -Upgrade building automation system to DDC control system	-	300,000	300,000
Wesley Chapel Elementary-Provide outside air to original building	-	170,500	170,500
Western Union Elementary-Upgrade Lighting	-	74,000	74,000
<i>FY 2017 Expansion Renovation Projects</i>			
Benton Heights Elementary-Renovations to auditorium	-	1,600,000	1,600,000
Monroe High School-Auditorium A/R; Upgrade auditorium	-	509,872	509,872
<i>FY 2017 Information Technology/Other Projects</i>			
Data Center-Blue Cost SSL/Shaping 5GB, Blue Coat N5, PowerEdge R630 Servers, PowerEdge R730 Services, Equal Logic PS6610X, Equal Logic PS6210XV	-	779,281	779,281
East Union Middle-Juniper Upgrade	-	50,000	50,000
Facilities-Vehicle Replacement	-	109,354	109,354
Facilities-GPS System Update	-	140,646	140,646
Hemby Bridge Elementary-Juniper Upgrade	-	38,000	38,000
Indian Trail Elementary-Juniper upgrade	-	48,000	48,000
Marshville-Juniper Upgrade	-	44,100	44,100
Monroe Middle-Juniper Upgrade	-	52,500	52,500
Piedmont High-Lighting	-	357,500	357,500
Piedmont Middle-Juniper Upgrade	-	45,250	45,250
Shiloh Elementary-Juniper Upgrade	-	45,000	45,000
Sun Valley Middle-Juniper upgrade	-	46,500	46,500
Various-APC Smart UPS and Network Management Cards, Power Supplies for 4200 Switches	-	140,550	140,550
Various-Acquisition or replacement of furniture and furnishing, instructional apparatus, equipment, and similar items of furnishings and equipment as per 115C-426(F)	-	300,000	300,000
Weddington High School-Juniper Upgrade	-	75,000	75,000
Wesley Chapel Elementary-Juniper upgrade	-	38,000	38,000
<i>FY 2017 Roofing Projects</i>			
Various-Roofing maintenance and repairs/replacements	-	3,000,000	3,000,000
Warehouse-Re-roofing	-	255,195	255,195

GENERAL CPO FUND - SCHOOLS

Projects

Program Sources & Uses	Appropriation -to-Date	Adopted FY 2017	Total Appropriation
<i>FY 2017 Safety and Security Projects</i>			
Forest Hills High School-Additional emergency lighting at stadium	-	16,500	16,500
Marvin Elementary -Upgrade Fire Alarm Panel	-	35,000	35,000
Parkwood High-Strategic Fencing & HID at 1 door	-	11,000	11,000
Prospect Elementary-Fire Alarm	-	17,500	17,500
Western Union Elementary-Fire Alarm	-	18,500	18,500
<i>FY 2017 Structural Projects</i>			
Benton Heights Elementary -Site Improvements	-	489,720	489,720
Indian Trail Elementary-Electrical (MDP) replacement	-	51,230	51,230
Indian Trail Elementary-Site improvements	-	280,709	280,709
Monroe High School-Windows/Doors	-	415,000	415,000
Warehouse-Demolition of Gym	-	65,000	65,000
Wesley Chapel Elementary-Courtyard Storm Drainage	-	85,000	85,000
Western Union Elementary-Replace flooring	-	241,699	241,699
Total Projects	\$ 49,769,529	17,749,200	67,518,729

Union County, NC FY 2017 Operating and Capital Budget

Union County Public Schools

Requested but not Proposed, not Adopted

School	Description	Requested
Antioch	Add heat for Music Stage	\$ 11,000
CATA	Toilet partition replacement (partial)	30,000
Classrooms of Tomorrow	Technology for Classrooms of Tomorrow	150,000
Cuthbertson High	Replace quarry tile at various toilet rooms, locker rooms, shower rooms	35,000
East	Kitchen – Fire Suppression System (hood mounted black steel piping; Dedicated AC for Kitchen should be installed.	47,850
Facilities	Vehicle replacement #s 7035, 7076, 7106	65,000
Monroe High School	Replace sound system (Auxiliary Gym and Auditorium)	33,000
Monroe High School	Acoustical Treatment (Band/Chorus/Auditorium)	26,400
Parkwood High	Classroom A/R (Add Chorus Classroom -Match to current Program, Spanish, Drafting, Aq. Medical Sciences)	301,600
Parkwood High	Auditorium renovation	195,000
Parkwood High	Restrooms renovations	225,000
Parkwood High	Guidance A/R (Enlarge Guidance, recommend encompassing existing Administration area into Guidance Suite)	455,000
Parkwood High	Administration A/R (Administration should be relocated closer to the new main entrance of the school. Provide fire rated student file room, additional storage).	630,000
Parkwood High	Cafeteria/Dining A/R (Enlarge Dining into 1 common space (not 3), increase area (s.f.) for serving lines, and enlarge kitchen).	1,351,042
Parkwood Middle	Toilet partition replacement (partial) not listed in study	100,000
Piedmont High	Provide outside air for all CR's	220,000
Piedmont High	Auditorium renovation	312,329
Piedmont High	Replace visitor bleachers	325,000
Piedmont High	Window/door replacement	504,720
Prospect Elementary	ADA toilet renovations DUPLICATE	86,781
Prospect Elementary	Toilet partition replacement (partial)	30,000
South Providence	Toilet partition replacement (partial)	15,000
Sun Valley Middle	Replace kitchen hood piping/make-up air system	17,600
Sun Valley Middle	Replace kitchen floor and sinks	8,580
Sun Valley Middle	Install grease trap - kitchen	52,000
Sun Valley Middle	Kitchen/Serving Line A/R: Renovate serving lines, enlarge kitchen to include walk-in cooler/freezer & dry storage	287,760
Sun Valley Middle	Restroom Renovations (Student & Faculty) (Qty of fixtures is not up to current plumbing code and do not meet ADA compliance)	485,660
Sun Valley Middle	Toilet partitions /fixture replacement (partial)	65,000
Various	Scope and Market Adjustments	600,000
Various	Ongoing/"emerging" needs, preventive maintenance, capital outlay.	2,000,000
Warehouse	Miscellaneous structural repairs	25,000
Weddington High School	Kitchen Sewer/Flooring Repair/Replacement	85,000
Weddington High School	Renovate flooring at entry/cafeteria/gym hall	135,000
Weddington Middle	HVAC (separate band room from multi-purpose unit)	29,150
Weddington Middle	Add dedicated systems (media center, cte, exercise room)	36,850
Wesley Chapel Elementary	Toilet partitions/fixture replacement (partial)	63,495
Western Union Elementary	Install toilet exhaust in group toilets without mechanical exhaust	9,625
Total Requested but not Proposed, not Adopted		\$ 9,050,442