

WATER AND SEWER CIP Summary	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Funding in FY 2017/18	Funding in FY 2018/19	Funding in FY 2019/20	Funding in FY 2020/21	Funding in FY 2021/22	Total
PAY AS GO									
Davis Road Water Loan Program (Maiden)	825,862								825,862
Catawba Street Sewer Loan Program (Claremont)	-	-	-	-	-	344,000	-	-	344,000
Highway 150 Sewer Phase II (SECC)	-	-	865,000	-	-	-	-	-	865,000
Houston Mill Road Water Loan Program (Conover)	-	-	-	-	556,000	-	-	-	556,000
JB Road Sewer Loan Program (Claremont)	-	-	477,000	-	-	-	-	-	477,000
Jim Beard Rd. Water Loan Program (Maiden)	-	-	-	-	-	-	685,000	-	685,000
Liberty Church Road Sewer Loan Program (Claremont)	-	-	-	201,000	-	-	-	-	201,000
Mays Chapel Rd. Water Loan Program (Maiden)	-	-	-	-	-	550,000	-	-	550,000
McLin/Lyle Creek Sewer Outfall Loan Project 1	2,576,393								2,576,393
McLin/Lyle Creek Sewer Outfall Loan Project 2	-	-	-	-	-	-	-	2,792,499	2,792,499
Milton Street Water Loan Program (Newton)	-	910,000	-	-	-	-	-	-	910,000
Molly's Backbone/Monbo Rd./Long Island Rd. Water (SECC)	-	1,790,000	-	-	-	-	-	-	1,790,000
Oxford Park & Greenwood Park Water Loan Program (Conover)	-	-	490,000	-	-	-	-	-	490,000
Oxford Park Sewer Loan Program (Conover)	-	-	675,000	-	-	-	-	-	675,000
River Bend Road Water Phases I, II, & III Loan Program (Conover)	-	-	-	-	2,153,000	-	-	-	2,153,000
Rock Barn Road Water Loop Loan Program (Conover)	-	-	-	-	460,000	-	-	-	460,000
Rome Jones Road Water Loan Program (Newton)	-	-	-	482,000	-	-	-	-	482,000
Zion Church Road Water Loan Program (Hickory)	-	-	-	-	-	846,000	-	-	846,000
Total Pay as Go Projects	3,402,255	2,700,000	2,507,000	683,000	3,169,000	1,740,000	685,000	2,792,499	17,678,754

DEBT SERVICE & OPERATING COSTS									
Personal Services	100,798	103,822	106,937	110,145	113,449	116,853	120,358	123,969	896,330
General Operating	213,826	215,964	218,124	220,305	222,508	224,733	226,981	229,250	1,771,692
Biosolids Management Facility	-	275,000	275,000	275,000	275,000	275,000	275,000	275,000	1,925,000
Blackburn-Plateau Water Loop Debt Payment	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	600,000
Hickory-Catawba Wastewater Treatment Plant Expansion Debt Payment and Operations	642,000	642,000	642,000	642,000	642,000	642,000	642,000	642,000	5,136,000
Highway 150 Sewer Debt Payment	747,678	747,678	747,678	747,678	747,678	747,678	747,678	747,678	5,981,424
Sludge Compost Facility	400,000	-	-	-	-	-	-	-	400,000
Southeastern Catawba County (SECC) Wastewater Collection Debt Payment	504,372	504,372	504,372	504,372	504,372	504,372	504,372	504,372	4,034,976
Total Debt Service & Operating	2,683,674	2,563,836	2,569,111	2,574,500	2,580,007	2,585,636	2,591,389	2,597,269	20,745,421

TOTAL PROJECT, DEBT SERVICE, AND OPERATING EXPENSES	6,085,929	5,263,836	5,076,111	3,257,500	5,749,007	4,325,636	3,276,389	5,389,768	38,424,175
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REVENUE									
Installment Purchase	-	-	-	-	-	-	-	-	-
Property Tax	800,000	808,000	816,080	824,241	832,483	840,808	849,216	857,708	6,628,536
1/4 cent Sales Tax	1,359,996	1,373,596	1,387,332	1,401,205	1,415,217	1,429,369	1,443,663	1,458,100	11,268,479
Domestic Haulers	58,000	58,580	59,166	59,757	60,355	60,959	61,568	62,184	480,569
Capital Fees	44,000	44,440	44,884	45,333	45,787	46,244	46,707	47,174	364,570
Revenue Sharing Contracts	515,000	520,150	525,352	530,605	535,911	541,270	546,683	552,150	4,267,120
Loan Payments/Municipalities	-	160,517	613,829	656,777	764,289	815,514	1,053,189	1,183,689	5,247,804
Fund Balance Applied	3,308,933	2,298,553	1,629,468	(260,419)	2,094,965	591,471	(724,638)	1,228,764	10,167,097
TOTAL REVENUE	6,085,929	5,263,836	5,076,111	3,257,500	5,749,007	4,325,636	3,276,389	5,389,768	38,424,175

Water & Sewer Projects 1st 4 Years	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Funding in FY 2017/18	Total	Funding Notes	Operating Impacts
PAY AS GO							
Davis Road Water Loan Program - Project will extend a water line from Water Plant Road down Davis Road to the intersection with Buffalo Shoals Road. Once complete, this project will supply water to approximately 45 homes and address water quality issues caused by stagnant water on the dead-end line.	825,862	-	-	-	825,862	Funding will be derived from loan program with Maiden. Maiden will pay 75% of cost over 10 years.	
Highway 150 Sewer Phase II - Phase II of this project will provide sewer service on Highway 150 in Terrell from Marshall Steam Station east to the county line.	-	-	865,000		865,000	Funding will be derived from property tax and portion of 1/4 cent sales tax devoted to water and sewer.	
JB Road Sewer Loan Program - Project will provide sanitary sewer service to 21 homes along JB Rd in Claremont. Due to geographical features in the area, this line could allow for sewer system expansion and development.	-	-	477,000		477,000	Funding will be derived from loan program with Claremont. Claremont will pay 75 percent of cost over 10 years.	
Liberty Church Road Sewer Loan Program - Project will allow for 16 connections along Liberty Church Rd.	-	-	-	201,000	201,000	Funding will be derived from loan program with Claremont. Claremont will pay 75 percent of cost over 10 years.	
McLin/Lyle Creek Sewer Loan Project 1 - Project will allow the County to partner with municipalities to extend sewer provision within the Lyle and McLin Creek basins in eastern Catawba County.	2,576,393				2,576,393		
Milton Street Water Loan Program - Project will provide municipal water to approximately 50 homes and vacant lots on Milton St. and adjacent subdivision on Harper Lee Dr.	-	910,000	-		910,000	Funding will be derived from loan program with Newton. Newton will pay 75 percent of cost over 10 years.	
Molly's Backbone/Monbo Road/Long Island Roads Water - This project was initiated by citizen requests in the area and has now become important in the overall plan of providing water and sewer services to the SECC area. As sewer service is provided in the area it is also important to provide municipal water service as well. This project extends along Long Island Rd., Monbo Rd. and Mollys Backbone Rd. from Sherrills Ford Rd. to Lynmore Dr.	-	1,790,000	-		1,790,000	Funding will be derived from property tax and portion of 1/4 cent sales tax devoted to water and sewer.	

Water & Sewer Projects 1st 4 Years	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Funding in FY 2017/18	Total	Funding Notes	Operating Impacts
Oxford Park Water & Greenwood Park Water Loan Program - Project will provide water service to approximately 100 parcels in Oxford Park and Greenwood Subdivisions located adjacent to each other off of NC Hwy 16.	-	-	490,000		490,000	Funding will be derived from loan program with Conover. Conover will pay 75 percent of cost over 10 years.	
Oxford Park Sewer Loan Program - Project will provide sewer service to approximately 75 homes in Oxford Park subdivision off Hwy 16.	-	-	675,000		675,000	Funding will be derived from loan program with Conover. Conover will pay 75 percent of cost over 10 years.	
Rome Jones Road Water Loan Program - Project will provide water service to approximately 40 connections on a currently unserved portion of Rome Jones Rd between Walnut St. and Hwy 321 Bus.	-	-	-	482,000	482,000	Funding will be derived from loan program with Newton. Newton will pay 75 percent of cost over 10 years.	
Total Pay as Go	3,402,255	2,700,000	2,507,000	683,000	9,292,255		

DEBT SERVICE & OPERATING

Personal Services - 1 FTE & part-time wages dedicated to water & sewer.	100,798	103,822	106,937	110,145	421,701		
General Operating - Includes professional services for engineering reports on planned projects.	213,826	215,964	218,124	220,305	868,219		
Biosolids Management Facility - Currently, the County owns 18.5 percent, the City of Hickory owns 70.5 percent, and the City of Conover owns 11 percent of the existing sludge composting facility which is nearing the end of its useful life. This project reflects the current estimate for the County's portion of the operations, maintenance and capital expenses for a new facility at the EcoComplex when the existing Sludge Composting Facility is closed and this facility is built to take over the management of wastewater sludge.	-	275,000	275,000	275,000	825,000	Funding will be derived from property tax and portion of 1/4 cent sales tax devoted to water and sewer.	
Blackburn-Plateau Water Loop - Debt repayment for project approved in prior years.	75,000	75,000	75,000	75,000	300,000	\$3 million from economic stimulus funds. \$1.5 million principal forgiveness loan for 20 years, payments are \$75,000 annually, \$1.5 million grant.	\$75,000 per year debt service
Hickory-Catawba Wastewater Treatment Plant Expansion - County's portion of debt service & operating expenses to the City of Hickory.	642,000	642,000	642,000	642,000	2,568,000	Funding will be derived from property tax and portion of 1/4 cent sales tax devoted to water and sewer.	\$392,000 per year debt service plus \$250,000 annual operating costs beginning in Fiscal Year 2014/15.
Highway 150 Sewer - Debt repayment for project approved in prior years.	747,678	747,678	747,678	747,678	2,990,712	Project funding from Water and Sewer Fund and installment purchase obligations issued over 15yrs @ 2.5 percent interest.	\$747,678 per year debt service

Water & Sewer Projects 1st 4 Years	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Funding in FY 2017/18	Total	Funding Notes	Operating Impacts
Sludge Compost Facility - County owns 18.5 percent, the City of Hickory owns 70.5 percent, and the City of Conover owns 11 percent of the existing Sludge Composting Facility located off of Highway 70. This project will close as the Biosolids Management Facility becomes operational.	400,000	-	-	-	400,000	Funding will be derived from property tax and portion of 1/4 cent sales tax devoted to water and sewer.	\$400,000 per year debt service, maintenance, and operational costs of the facility and engineering assessment of the existing equipment to evaluate the feasibility of usage in the EcoComplex and Regional Biosolids Processing Facility.
Southeastern Catawba County (SECC) Waste Water Collection - Debt repayment for project approved in prior years.	504,372	504,372	504,372	504,372	2,017,488	Funding from installment purchase obligations issued over 20 yrs @ 4.19 percent interest. Final debt payment is in 2028. Debt repaid from property tax and/or portion of the 1/4 cent sales tax devoted to water and sewer.	\$504,372 debt service per year
Total Debt Service & Operating	2,683,674	2,563,836	2,569,111	2,574,500	10,391,121		

TOTAL PROJECT, DEBT SERVICE, AND OPERATING EXPENSES	6,085,929	5,263,836	5,076,111	3,257,500	19,683,376
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Water & Sewer Projects 2nd 4 Years	Funding in FY 2018/19	Funding in FY 2019/20	Funding in FY 2020/21	Funding in FY 2021/22	Total	Funding Notes	Operating Impacts
PAY AS GO							
Catawba Street Sewer Loan Program - Project will provide sewer service to approximately 26 homes and will connect to JB Farm Rd sewer project.	-	344,000	-	-	344,000	Funding will be derived from loan program with Claremont. Claremont will pay 75 percent of cost over 10 years.	
Houston Mill Road Water Loan Program - Project was initiated through municipal request and will provide water service to approximately 40 homes and complete a water loop.	556,000				556,000	Funding will be derived from loan program with Conover. Conover will pay 75 percent of cost over 10 years.	
Jim Beard Rd Water Loan Program - Project was initiated through municipal request. Will provide water to 78 residences and complete a water loop.	-	-	685,000	-	685,000	Funding will be derived from loan program with Maiden. Maiden will pay 75 percent of cost over 10 years.	
Mays Chapel Rd Water Loan Program - Project was initiated through municipal request. Will provide water along Mays Chapel Road to address current water quality issues, increased fire protection, and provide water to 95 residences.	-	550,000	-	-	550,000	Funding will be derived from loan program with Maiden. Maiden will pay 75 percent of cost over 10 years.	
McLin/Lyle Creek Sewer Outfall Loan Project 2 - This funding will allow the County to partner with municipalities to extend sewer provision within the Lyle and McLin Creek basins in eastern Catawba County.	-	-	-	2,792,499	2,792,499		
River Bend Road Water Phases I, II, & III Loan Program - Project will create a water loop along River Bend Rd. Project will provide water to 150+ connections and could open large tracts of land to development.	2,153,000	-	-	-	2,153,000	Funding will be derived from loan program with Conover. Conover will pay 75 percent of cost over 10 years.	
Rock Barn Road Water Loop Loan Program - Project will construct a water line along Rock Barn Rd from Shook Rd to Oxford School Rd. Project will provide water service to 60 connections.	460,000	-	-	-	460,000	Funding will be derived from loan program with Conover. Conover will pay 75 percent of cost over 10 years.	
Zion Church Road Water Loan Program - Project will extend along Zion Church Rd from Sandy Ford Rd to Hwy 10. This will provide water service to approximately 50 connections along Zion Church Rd and also make it possible to extend service to several subdivisions.	-	846,000	-	-	846,000	Funding will be derived from loan program with Conover. Conover will pay 75 percent of cost over 10 years.	
Total Pay as Go	3,169,000	1,740,000	685,000	2,792,499	8,386,499		

Water & Sewer Projects 2nd 4 Years	Funding in FY 2018/19	Funding in FY 2019/20	Funding in FY 2020/21	Funding in FY 2021/22	Total	Funding Notes	Operating Impacts
DEBT SERVICE AND OPERATING COST							
Personal Services - 1 FTE & part-time wages dedicated to water & sewer.	113,449	116,853	120,358	123,969	474,628		
General Operating - Includes professional services for engineering reports on planned projects.	222,508	224,733	226,981	229,250	903,472		
Biosolids Management Facility - Currently, the County owns 18.5 percent, the City of Hickory owns 70.5 percent, and the City of Conover owns 11 percent of the existing sludge composting facility which is nearing the end of its useful life. This project reflects the current estimate for the County's portion of the operations, maintenance and capital expenses for a new facility at the EcoComplex when the existing Sludge Composting Facility is closed and this facility is built to take over the management of wastewater sludge.	275,000	275,000	275,000	275,000	1,100,000	Funding will be derived from property tax and portion of 1/4 cent sales tax devoted to water and sewer.	
Blackburn-Plateau Water Loop - Debt repayment for project approved in prior years.	75,000	75,000	75,000	75,000	300,000	\$3 million from economic stimulus funds. \$1.5 million principal forgiveness loan for 20 years, payments are \$75,000 annually. \$1.5 million grant.	\$75,000 per year debt service
Hickory-Catawba Wastewater Treatment Plant Expansion - County's portion of debt service & operating expenses to the City of Hickory.	642,000	642,000	642,000	642,000	2,568,000	Funding will be derived from property tax and portion of 1/4 cent sales tax devoted to water and sewer.	\$392,000 per year debt service plus \$250,000 annual operating costs beginning in Fiscal Year 2014/15
Highway 150 Sewer - Debt repayment for project approved in prior years.	747,678	747,678	747,678	747,678	2,990,712	Project funding from Water and Sewer Fund and installment purchase obligations issued over 15yrs @ 2.5 percent interest.	\$747,678 per year debt service
Southeastern Catawba County (SECC) Waste Water Collection - Debt repayment for project approved in prior years.	504,372	504,372	504,372	504,372	2,017,488	Project funding from installment purchase obligations issued over 20 yrs @ 4.19 percent interest. Final debt payment is in 2028. Debt repaid from property tax and/or portion of the 1/4 cent sales tax devoted to water and sewer.	\$504,372 debt service per year
Total Debt Service & Operating	2,580,007	2,585,636	2,591,389	2,597,269	10,354,301		
TOTAL PROJECT, DEBT SERVICE, AND OPERATING EXPENSES	5,749,007	4,325,636	3,276,389	5,389,768	18,740,800		