

Water & Sewer Projects Summary	Funding in FY 2012/13	Funding in FY 2013/14	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	Total
Pay as Go									
Bandys/Mill Creek Sewer	0	0	0	0	0	0	0	2,000,000	2,000,000
County Complex Water/Sewer	80,000	0	0	0	0	0	0	0	80,000
Farmfield Acres Water	0	0	230,000	0	0	0	0	0	230,000
Highway 150 Sewer Phase II	0	0	0	865,000	0	0	0	0	865,000
Molly's Backbone/Monbo Road/Long Island Roads Water	0	0	0	0	730,000	0	0	1,060,000	1,790,000
Mt. View Elementary Sewer I & II	0	0	0	0	3,200,000	3,200,000	0	0	6,400,000
Oxford Park Water				0	465,000	0	0	0	465,000
Ramseur Road Water	50,000	0	0	0	0	0	0	0	50,000
Riverbend Road Water Phase I-III	0	670,000	0	0	0	840,000	730,000	0	2,240,000
Rock Barn Road/Oxford School Road Water Loop	0	0	0	472,000	0	0	0	0	472,000
Springs Road Water	0	0	470,000	0	0	0	0	0	470,000
Total Projects	130,000	670,000	700,000	1,337,000	4,395,000	4,040,000	730,000	3,060,000	15,062,000
Debt Service & Operating Costs									
Biosolids Management Facility	0	0	275,000	275,000	275,000	275,000	275,000	275,000	1,650,000
Blackburn-Plateau Water Loop	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	600,000
General Operating	200,728	202,735	204,763	206,810	208,878	210,967	213,077	215,208	1,663,166
Highway 150 Sewer	737,587	737,587	737,587	737,587	737,587	737,587	737,587	737,587	5,900,696
Hickory-Catawba Wastewater Treatment Plant Expansion	305,419	305,419	555,419	555,419	555,419	555,419	555,419	555,419	3,943,352
Personal Services	78,512	80,867	83,293	85,792	88,366	91,017	93,747	96,560	698,155
Sludge Compost Facility	400,000	400,000	400,000	0	0	0	0	0	1,200,000
Southeastern Catawba County (SECC) Waste Water Collection	524,245	524,245	524,245	524,245	524,245	524,245	524,245	539,972	4,209,687
Total Existing Debt & Operating	2,321,491	2,325,854	2,855,307	2,459,853	2,464,495	2,469,235	2,474,075	2,494,746	19,865,057
Total Project, Debt Service & Operating Expenses	2,451,491	2,995,854	3,555,307	3,796,853	6,859,495	6,509,235	3,204,075	5,554,746	34,927,057
Revenue									
Installment Purchase	0	0	0	0	0	0	0	0	0
Property Tax	775,000	782,750	1,573,328	1,589,061	1,604,951	1,621,001	1,637,211	1,653,583	11,236,884
1/4 cent sales tax	1,236,834	1,249,202	1,261,694	1,274,311	1,287,054	1,299,925	1,312,924	1,326,053	10,247,999
Domestic Haulers	35,000	35,350	35,704	36,061	36,421	42,516	42,941	42,941	306,934
Capital Fees	40,000	40,400	40,804	41,212	41,624	42,040	42,461	42,885	331,427
Key Harbor Agreement	0	825,000	862,500	862,500	937,500	937,500	1,400,000	0	5,825,000
Revenue Sharing Contracts	451,000	455,510	460,065	464,666	469,312	474,006	478,746	483,533	3,736,837
Fund Balance	(86,343)	(392,359)	(678,787)	(470,957)	2,482,632	2,092,247	(1,710,207)	2,005,750	3,241,975
Total Revenue	2,451,491	2,995,854	3,555,307	3,796,853	6,859,495	6,509,235	3,204,075	5,554,746	34,927,057

Water & Sewer Projects 1st 4 Years	Funding in Fiscal Year 2012/13	Funding in Fiscal Year 2013/14	Funding in Fiscal Year 2014/15	Funding in Fiscal Year 2015/16	Funding Notes	Operating Impacts
Pay as Go						
Ramseur Road Water- This project will improve water service along Ramseur Rd. by running new water service lines and metering each connection.	50,000	0	0	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	
County Complex Water and Sewer- This project will provide increased water supply and enhanced fire protection to the County's Newton Campus through the extension of approximately 900 linear feet waterline as well as providing the needed water and sewer provisions for the new Catawba County Animal Shelter.	80,000	0	0	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	
Farmfield Acres Water- This project was initiated through a citizen petition and will provide municipal water service to 56 existing lots and 46 acres of potential residential development. This project is located at the intersection of Oxford School Rd. and Rock Barn Rd. and will extend along Rock Barn Rd. Ext, Farmfield Dr., and Acreland Dr.	0	0	230,000	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	

Water & Sewer Projects 1st 4 Years	Funding in Fiscal Year 2012/13	Funding in Fiscal Year 2013/14	Funding in Fiscal Year 2014/15	Funding in Fiscal Year 2015/16	Funding Notes	Operating Impacts
Highway 150 Sewer Phase II - Phase II of this project will provide gravity sewer service north from Highway 150 in Terrell across the Marshall Steam Station property to the Sherrills Ford Rd./Steam Plant Rd. intersection and also provide gravity sewer to the Terrell crossroads area along Highway 150 from the Village Center property to Kiser Island Rd.	0	0	0	865,000	Funding will be derived from property tax and portion of the 1/4 cent sales tax devoted to water & sewer	
Riverbend Road Water Phase I, II & III- This project is a water supply loop divided into three phases. This project will provide municipal water service along Riverbend Rd forming a water supply loop in the northeastern portion of the County. This project provides redundant supply looping and will enhance water quality and fire protection.	0	670,000	0	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	

Water & Sewer Projects 1st 4 Years	Funding in Fiscal Year 2012/13	Funding in Fiscal Year 2013/14	Funding in Fiscal Year 2014/15	Funding in Fiscal Year 2015/16	Funding Notes	Operating Impacts
<p>Rock Barn Road/Oxford School Road Water Loop- This project extends along Rock Barn Rd. from Shook Rd. to Sutton Ln. and was initiated by a citizen petition in 2002. Staff sought CDBG grant funds for this project in 2004 but the project did not qualify for funding. The grant surveying in 2004 identified 24 out of 65 households that were either experiencing problems with their wells or were on shared wells. This project will provide potable water to an area that has petitioned the County for water service due to a diminishing water table and resulting problems with drinking water wells and will provide a valuable water supply loop to the City of Conover water distribution system.</p>	0	0	0	472,000	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	
<p>Springs Road Water- This project will provide municipal water service along Springs Road from St. Peter's Church Road to NC Highway 16 providing system redundancy through a looped water system in the northern portion of the County. This project will tie into the Highway 16 North project.</p>	0	0	470,000	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	
Total Projects	130,000	670,000	700,000	1,337,000		

Water & Sewer Projects 1st 4 Years	Funding in Fiscal Year 2012/13	Funding in Fiscal Year 2013/14	Funding in Fiscal Year 2014/15	Funding in Fiscal Year 2015/16	Funding Notes	Operating Impacts
Debt Service & Operating Costs						
Biosolids Management Facility- Currently, the County owns 18.5%, the City of Hickory owns 70.5%, and the City of Conover owns 11% 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 & 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.	0	0	275,000	275,000	Funding will be derived from property tax and portion of the 1/4 cent sales tax devoted to water & sewer	
Blackburn-Plateau Water Loop- This project extends a waterline beginning on Startown Road and runs along a portion of West Maiden Rd, a portion of Elbow Rd, south along Startown Rd, along Blackburn Bridge Rd, a portion of Hickory Lincoln Highway, Grace Church Rd, and a portion of Plateau Rd. This project provides water for Apple Inc and a redundant supply to the SECC water supply loop and the Town of Maiden.	75,000	75,000	75,000	75,000	\$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

Water & Sewer Projects 1st 4 Years	Funding in Fiscal Year 2012/13	Funding in Fiscal Year 2013/14	Funding in Fiscal Year 2014/15	Funding in Fiscal Year 2015/16	Funding Notes	Operating Impacts
General Operating: Includes professional services for engineering reports on planned projects	200,728	202,735	204,763	206,810		
Highway 150 Sewer: Debt Service	737,587	737,587	737,587	737,587	Project funding from water & sewer fund & installment purchase obligations issued over 20yrs @ 4.5% interest	\$737,587 per year debt service
Hickory-Catawba Wastewater Treatment Plant Expansion: Debt Service & operating costs	305,419	305,419	555,419	555,419	Project funding from water & sewer fund & installment purchase obligations issued over 20yrs @ 4.5% interest	\$305,419 per year debt service plus \$250,000 annual operating costs beginning in Fiscal Year 2014/15
Personal Services: 1 FTE dedicated to water & sewer	78,512	80,867	83,293	85,792		
Sludge Compost Facility - County owns 18.5%, the City of Hickory owns 70.5%, and the City of Conover owns 11% 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	400,000	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & 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

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Southeastern Catawba County (SECC) Waste Water Collection- Sewer collection system that extends from Sherrills Ford Elem School to the Hickory-Catawba Wastewater Treatment Plant. Collection system route is along Sherrills Ford Rd., Mollys Backbone Rd., Brown Chapel Rd., and Hudson Chapel Rd. into the Town of Catawba.	524,245	524,245	524,245	524,245	Project funding from installment purchase obligations issued over 20yrs @ 4.19% 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 & sewer.	\$524,245 debt service per year
Total Existing Debt & Operating	2,321,491	2,325,854	2,855,307	2,459,853		
Total Project, Debt Service & Operating Expenses	2,451,491	2,995,854	3,555,307	3,796,853		

Water & Sewer Projects 2nd 4 Years	Funding in Fiscal Year 2016/17	Funding in Fiscal Year 2017/18	Funding in Fiscal Year 2018/19	Funding in Fiscal Year 2019/20	Funding Notes	Operating Impacts
Pay as Go						
Bandys/Mill Creek Sewer -This project will connect Bandys high School and Mill Creek Middle School to the SECC Waste Water Collection System.	0	0	0	2,000,000	Funding will be derived from Water & Sewer Fund	
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.	730,000	0	0	1,060,000	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	
Mt. View Elementary Sewer I & II -This project will provide waste water service to Mt View Elementary School and the surrounding area. The routing of this project will be determined through a Preliminary Engineering Report.	3,200,000	3,200,000	0	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	

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Oxford Park Water -This project will provide municipal water service to approximately 60 residential lots in Oxford Park Subdivision. in northern Catawba County.	465,000	0	0	0		
Riverbend Road Water Phase I, II & III - This project is a water supply loop divided into three phases. This project will provide municipal water service along Riverbend Rd forming a water supply loop in the northeastern portion of the County. This project provides redundant supply looping and will enhance water quality and fire protection.	0	840,000	730,000	0	Funding will be derived from property tax and/or portion of the 1/4 cent sales tax devoted to water & sewer	
Total Projects	4,395,000	4,040,000	730,000	3,060,000		

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Debt Service & Operating Costs						
Biosolids Management Facility- Currently, the County owns 18.5%, the City of Hickory owns 70.5%, and the City of Conover owns 11% 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 & 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		
Blackburn-Plateau Water Loop- This project extends a waterline beginning on Startown Road and runs along a portion of West Maiden Rd, a portion of Elbow Rd, south along Startown Rd, along Blackburn Bridge Rd, a portion of Hickory Lincolnton Highway, Grace Church Rd, and a portion of Plateau Rd. This project provides water for Apple Inc and a redundant supply to the SECC water supply loop and the Town of Maiden.	75,000	75,000	75,000	75,000		
General Operating: Includes professional services for engineering reports on planned projects	208,878	210,967	213,077	215,208		

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Highway 150 Sewer: Debt Service	737,587	737,587	737,587	737,587		
Hickory-Catawba Wastewater Treatment Plant Expansion: Debt Service & operating costs	555,419	555,419	555,419	555,419		
Personal Services: 1 FTE dedicated to water & sewer	88,366	91,017	93,747	96,560		
Southeastern Catawba County (SECC) Waste Water Collection- Sewer collection system that extends from Sherrills Ford Elementary School to the Hickory- Catawba Wastewater Treatment Plant. Collection system route is along Sherrills Ford Rd., Mollys Backbone Rd., Brown Chapel Rd., and Hudson Chapel Rd. into the Town of Catawba.	524,245	524,245	524,245	539,972		
Total Existing Debt & Operating	2,464,495	2,469,235	2,474,075	2,494,746		
Total Project, Debt Service & Operating Expenses	6,859,495	6,509,235	3,204,075	5,554,746		