

WATER AND SEWER CAPITAL PROJECTS FUND

This fund is used to account for the capital outlays for the water and sewer system. Its revenues come from several sources. First, a transfer is made annually from the Water and Sewer Fund to finance some of the capital outlays. Second, any grants or Revolving Fund Loans from the state or federal governments for capital outlay would be accounted for here. Finally, the proceeds from any bonds, certificates of participation, capital leases or other debt instruments would be accounted for here.

Appropriations from this fund for capital projects do not lapse at the end of a fiscal year. Those appropriations stay in place until the project is completed. A capital project ordinance can be amended by another capital project ordinance, should the project cost change.

This fund is used to finance the six-year capital improvements plan for the water and sewer system. In order to determine what can be financed and in what order, we need to make two determinations: 1) about how much income can be transferred from the Water and Sewer Fund each year, after the operating budget is met; and 2) the amount of debt service over the projected six-year period.

The Debt Service Repayment Schedule shows every long-term debt instrument outstanding. The bottom third of this schedule shows the projected debt service payments for any debt instruments to be issued as part of the 6-year Capital Improvements Plan. Note that even with this additional indebtedness, the debt service payments on the bottom line do not fluctuate greatly from one year to the next. That makes this a very stable financial situation for the water and sewer system.

The following pages contain the six-year Capital Improvement Plan for the water and sewer system, taking this debt service schedule and the transfers from the Water and Sewer Fund into account. Barring unforeseen circumstances, these are the projects that we should be able to complete in this six-year period. The pages following that summary are more detailed explanations of each individual project.

Bear in mind that as you expand the water and sewer system, you will also increase the customer base, thereby increasing annual revenues. But, we have been conservative in these projections until recently. As the economy continues to rebound from recent years, we expect a gradual increase in residential and commercial growth. The expectation of these revenues from water and sewer fees are to improve noticeably; as a result, additional funding for capital projects or early repayment of debt over the next few years.

**DEBT SERVICE REPAYMENT SCHEDULE
WATER AND SEWER FUND**

		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
PROJECTED EXPENSES							
2004 Federal Revolving Loan \$387,438	Prin	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,791	\$ 22,784
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int	3,638	3,032	2,425	1,819	1,213	607
2002 Federal Revolving Loan \$520,430	Prin	30,614	30,614	30,614	30,614	30,614	30,614
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int	4,886	4,072	3,258	2,443	1,629	815
2007 Federal Revolving Loan \$2,295,067	Prin	135,004	135,004	135,004	135,004	135,004	135,004
Dated 11/1/07 -- 5/1/24 2.66% Fixed Rate	Int	28,729	25,138	21,547	17,956	14,365	10,774
2009 Sewer Revolving Loan \$17,500,000	Prin	875,000	875,000	875,000	875,000	875,000	875,000
Dated 7/31/10 -- 5/1/30 2.48% Fixed Rate	Int	325,500	303,800	282,100	260,400	238,700	217,000
2012 Installment Financing \$2,706,000	Prin	266,306	273,410	280,703	288,191	295,879	303,772
Dated 7/18/12 - 1/17/22 2.65% Fixed Rate	Int	43,516	36,412	29,119	21,631	13,943	6,051
2013 Refunding of 2003 COPS	Prin	3,612	3,585	1,263	1,304	14,639	14,340
Dated 11/14/13 - 6/1/27 2.52% Fixed Rate	Int	2,640	2,571	2,501	2,469	2,436	2,067
TOTAL PRINCIPAL PAYMENTS		1,333,327	1,340,404	1,345,375	1,352,904	1,373,927	1,381,514
TOTAL INTEREST PAYMENTS		408,909	375,025	340,950	306,718	272,286	237,314
TOTAL EXPENSES		1,742,236	1,715,429	1,686,325	1,659,622	1,646,213	1,618,828
2016 Installment Purchase Contract \$4,500,000	Prin	225,000	225,000	225,000	225,000	225,000	225,000
Dated 6/30/16 - 12/31/35 4% Fixed Rate 20 years	Int	177,750	168,750	159,750	150,750	141,750	132,750
	Prin						
	Int						
PROJECTED TOTAL PRINCIPAL PAYMENTS		1,558,327	1,565,404	1,570,375	1,577,904	1,598,927	1,606,514
PROJECTED TOTAL INTEREST PAYMENTS		586,659	543,775	500,700	457,468	414,036	370,064
PROJECTED TOTAL EXPENSES		\$ 2,144,986	\$ 2,109,179	\$ 2,071,075	\$ 2,035,372	\$ 2,012,963	\$ 1,976,578
<i>updated 11/19/15 - dlr</i>							

**DEBT SERVICE REPAYMENT SCHEDULE
WATER AND SEWER FUND**

		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
PROJECTED EXPENSES								
2004 Federal Revolving Loan \$387,438	Prin							
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int							
2002 Federal Revolving Loan \$520,430	Prin							
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int							
2007 Federal Revolving Loan \$2,295,067	Prin	135,004	135,003					
Dated 11/1/07 -- 5/1/24 2.66% Fixed Rate	Int	7,183	3,592					
2009 Sewer Revolving Loan \$17,500,000	Prin	875,000	875,000	875,000	875,000	875,000	875,000	875,000
Dated 7/31/10 -- 5/1/30 2.48% Fixed Rate	Int	195,300	173,600	151,900	130,200	108,500	86,800	65,100
2012 Installment Financing \$2,706,000	Prin							
Dated 7/18/12 - 1/17/22 2.65% Fixed Rate	Int							
2013 Refunding of 2003 COPS	Prin	14,042	13,797	13,539	13,295	13,023		
Dated 11/14/13 - 6/1/27 2.52% Fixed Rate	Int	1,706	1,352	1,004	663	328		
TOTAL PRINCIPAL PAYMENTS		1,024,046	1,023,800	888,539	888,295	888,023	875,000	875,000
TOTAL INTEREST PAYMENTS		204,189	178,544	152,904	130,863	108,828	86,800	65,100
TOTAL EXPENSES		1,228,235	1,202,344	1,041,443	1,019,158	996,851	961,800	940,100
2016 Installment Purchase Contract \$4,500,000	Prin	225,000	225,000	225,000	225,000	225,000	225,000	225,000
Dated 6/30/16 - 12/31/35 4% Fixed Rate 20 years	Int	123,750	114,750	105,750	96,750	87,750	78,750	69,750
PROJECTED TOTAL PRINCIPAL PAYMENTS	Prin							
PROJECTED TOTAL INTEREST PAYMENTS	Int							
PROJECTED TOTAL EXPENSES		1,249,046	1,248,800	1,113,539	1,113,295	1,113,023	1,100,000	1,100,000
		327,939	293,294	258,654	227,613	196,578	165,550	134,850
		\$ 1,576,985	\$ 1,542,094	\$ 1,372,193	\$ 1,340,908	\$ 1,309,601	\$ 1,265,550	\$ 1,234,850
<i>updated 11/19/15 - dlr</i>								

**DEBT SERVICE REPAYMENT SCHEDULE
WATER AND SEWER FUND**

		FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036
PROJECTED EXPENSES								
2004 Federal Revolving Loan \$387,438	Prin							
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int							
2002 Federal Revolving Loan \$520,430	Prin							
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int							
2007 Federal Revolving Loan \$2,295,067	Prin							
Dated 11/1/07 -- 5/1/24 2.66% Fixed Rate	Int							
2009 Sewer Revolving Loan \$17,500,000	Prin	875,000	875,000					
Dated 7/31/10 -- 5/1/30 2.48% Fixed Rate	Int	43,400	21,700					
2012 Installment Financing \$2,706,000	Prin							
Dated 7/18/12 - 1/17/22 2.65% Fixed Rate	Int							
2013 Refunding of 2003 COPS	Prin							
Dated 11/14/13 - 6/1/27 2.52% Fixed Rate	Int							
TOTAL PRINCIPAL PAYMENTS		875,000						
TOTAL INTEREST PAYMENTS		43,400						
TOTAL EXPENSES		918,400						
2016 Installment Purchase Contract \$4,500,000	Prin	225,000	225,000	225,000	225,000	225,000	225,000	212,500
Dated 6/30/16 - 12/31/35 4% Fixed Rate 20 years	Int	60,750	51,750	42,750	33,750	24,750	15,750	6,750
PROJECTED TOTAL PRINCIPAL PAYMENTS	Prin							
PROJECTED TOTAL INTEREST PAYMENTS	Int							
PROJECTED TOTAL EXPENSES		\$ 1,204,150	\$ 276,750	\$ 267,750	\$ 258,750	\$ 249,750	\$ 240,750	\$ 219,250
updated 11/19/15 - dlr								

**DEBT SERVICE REPAYMENT SCHEDULE
WATER AND SEWER FUND**

			TOTALS	
			FY 14-30	
PROJECTED EXPENSES				
2004 Federal Revolving Loan \$387,438	Prin		\$ 136,739	
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int		12,734	
2002 Federal Revolving Loan \$520,430	Prin		183,684	
Dated 5/1/06 -- 5/1/22 2.66% Fixed Rate	Int		17,103	
2007 Federal Revolving Loan \$2,295,067	Prin		1,080,031	
Dated 11/1/07 -- 5/1/24 2.66% Fixed Rate	Int		129,284	
2009 Sewer Revolving Loan \$17,500,000	Prin		13,125,000	
Dated 7/31/10 -- 5/1/30 2.48% Fixed Rate	Int		2,604,000	
2012 Installment Financing \$2,706,000	Prin		1,708,261	
Dated 7/18/12 - 1/17/22 2.65% Fixed Rate	Int		150,672	
2013 Refunding of 2003 COPS	Prin		106,439	
Dated 11/14/13 - 6/1/27 2.52% Fixed Rate	Int		19,737	
TOTAL PRINCIPAL PAYMENTS			16,340,154	
TOTAL INTEREST PAYMENTS			2,933,530	
TOTAL EXPENSES			18,376,984	
2016 Installment Purchase Contract \$4,500,000	Prin		4,487,500	
Dated 6/30/16 - 12/31/35 4% Fixed Rate 20 years	Int		1,845,000	
	Prin		-	
	Int		-	
PROJECTED TOTAL PRINCIPAL PAYMENTS		-	-	18,615,154
PROJECTED TOTAL INTEREST PAYMENTS		-	-	4,581,330
PROJECTED TOTAL EXPENSES	\$	-	\$	\$ 23,196,484
<i>updated 11/19/15 - dlr</i>				

Project Number	Munis	Project	Proposed		FY 2017 Budgets	FY 2018 2016-2017	FY 2019 2017-2018	FY 2020 2018-2019	FY 2021 2016-2020	FY 2022 2016-2022
			Prior	2016-2017						
PW-WAT	4140A	Munis - Computer FY2016	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT	7120C	Munis - Software FY2016 (Budget Memo)	\$ 66,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0014		NC 73 Water Line & Tank	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ -	\$ -	\$ -
PW-WAT-0017		St James/Kidsville Road Water Line	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0030	7120B	Meter Replacement	\$ 51,077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0036	7125A	Water Treatment Plant Upgrade	\$ 14,178	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0038	7120H	Replace NC 16 Waterline - Phase II	\$ 1,195,306	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0039	7130A	Indian Creek SubD Improvements FY2013 WAT-39	\$ 2,441	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0045	7120D	Raw Water Intake at Water Plant	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0045	7120A	Water - Vehicles (FY 2015)	\$ 20,652	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0046	7120E	WLBPS - Howards Creek Pump Station and Generator	\$ 5,999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0047	7120F	Relocate Water Main Hwy 150 - H Dellinger	\$ 406,607	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0048	7125B	WTP Expansion	\$ 8,863,000	\$ 3,040,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-49-50	7120I	Chloride/Flushers FY 2015 -Wat 49 & 50	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-0052		Shea Homes Waterline Construction	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-1703		Water and Wastewater Hydraulic Models	\$ -	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-1704	Expense	Vehicles - escape, crew, bucket, tractor	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-1705	Expense	Meter Replacement (Large Bore)		\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-1801		Waterline 24" - Webb to Saint James	\$ -	\$ -	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
PW-WAT-1802		Replace NC 16 Waterline - Phase III	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-SEW-0022	7135A	Yard Utility Vehicle - FY 2013	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-SEW-0023	7130C	Lowesville Area Sewer Line Redirection	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-SEW-0023a	7130B	Lowesville Area Sewer Line Redirection	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-SEW-0024	7135B	Facility Improvements - WWTP Expansion	\$ 3,328,535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-SEW-0025	7130F	Relocate Sewer Force Main Hwy 150 & Dellinger Rd	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-SEW-1701	Expense	Vehicles WWTP - 2 pickups	\$ -	\$ 50,000	\$ 138,000	\$ -	\$ -	\$ -	\$ -	\$ -
PW-SEW-1702		Sewer Pump Station Rehab	\$ -	\$ 365,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Water Sewer CIP	\$ 16,313,795	\$ 5,500,000	\$ 4,638,000					
PW-LF-24		Landfill Cell	\$ -	\$ 3,771,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-LF-32		Optimist Club Convenience Site	\$ -	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PW-LF-1706		Vehicles	\$ 445,000	\$ 725,000	\$ 770,000	\$ -	\$ -	\$ -	\$ -	\$ -
		Solid Waste CIP	\$ 445,000	\$ 6,396,000	\$ 770,000					



Lincoln County Capital Improvement Program

Project Name NC 73 - Water line and Tank
Department Public Works
Project Location NC73

Project # PW-WAT-0014
Account # 64
Status Initial Design Complete

Description: To install a 16" water main from Highway 16 to Amity Church Road along Highway 73 and a booster pump station	Project Photo or Map 
Justification: The Highway 150 12" water main is the only water main that distributes water from the eastern zone to the central zone. In order to system reliability and to potential customer base the installation of a booster pump station and a 16" water main Highway 73 is required.	
Project Status Pending Funding	Project Type Water Line
Past Year Budget 0	Past Request Yes
Current Year Budget 0	Funded (Yes/No) No
Total Expenditures	Projected Start
Project Balance	Projected Finish

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design			\$200,000.00				\$200,000.00
Land							\$0.00
Construction			\$2,800,000.00				\$2,800,000.00
Equipment							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$3,000,000.00	\$0.00	\$0.00	\$0.00	\$3,000,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund			\$3,000,000.00				\$3,000,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$3,000,000.00	\$0.00	\$0.00	\$0.00	\$3,000,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay							\$0.00
Revenues							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name St James - Kidville Waterline
Department Public Works
Project Location Denver - Kidville Saint James Roads

Project # PW-WAT-0017
Account # 64
Status Design Complete

Description: Kidville and St. James Church Road water line installation.	Project Photo or Map 
Justification: To meet NCDENR permit requirements for water quality an interconnection is required between St. James Church Road and the existing Kidville Road water main. Additionally to improve system reliability an upgrade to the existing 6" water main is required.	
Project Status Design Complete	Project Type Waterline
Past Year Budget	Past Request Yes
Current Year Budget \$ 1,200,000.00	Funded (Yes/No)
Total Expenditures	Projected Start
Project Balance	Projected Finish

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land							\$0.00
Construction	\$1,200,000.00	\$1,200,000.00					\$2,400,000.00
Equipment							\$0.00
Fiscal Year Total	\$1,200,000.00	\$1,200,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,400,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund		\$1,200,000.00					\$1,200,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$0.00	\$1,200,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,200,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay							\$0.00
Revenues							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name Replace NC 16 Waterline - Phase II
Department Public Works
Project Location Denver - Highway 16

Project # PW-WAT-0038
Account # 7120H
Status Coordination

Description: This project is to replace the undersized PVC water line along Highway 16 from Highway 73 North to the Triangle Area. This is intended to be a phased project to replace sections of the water line over a period of years.	Project Photo or Map 
Justification: This phase of the project is to replace the existing 12" PVC water main under Business Highway 16 pavement from the intersection of Highway 73 to Forest Oak Drive. The overall project is to replace in phases the 12" PVC waterline on Highway 16 with a 24" ductile iron.	
Project Status Design	Project Type Waterline
Past Year Budget	Past Request Yes
Current Year Budget	Funded (Yes/No) Yes
Total Expenditures	Projected Start
Project Balance	Projected Finish

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land							\$0.00
Construction							\$0.00
Equipment							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund							\$0.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay							\$0.00
Revenues							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name Expansion of Water Treatment Plant
Department Public Works
Project Location Denver - Tree Farm Road

Project # PW-WAT-0048
Account # 7125B
Status Design

Description: This project is to upgrade and expand the Water Treatment Plant. Currently the Plant is rated at 3.9 MGD. This project will increase the production capacity at the Plant to 8.0 MGD.	Project Photo or Map 
Justification: Additional funding is included in FY 2017 for planned line extensions out of the plant (\$1M) and added reserve and contingency (\$2M) for the construction to be funded from fund balance, if necessary.	
Project Status Design	Project Type Plant
Past Year Budget	\$8,863,000
Current Year Budget	\$3,040,000
Total Expenditures	
Project Balance	

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land	\$ 40,000						\$40,000.00
Construction	\$ 3,000,000						\$3,000,000.00
Equipment							\$0.00
Fiscal Year Total	\$3,040,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,040,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$3,040,000.00						\$3,040,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$3,040,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,040,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay							\$0.00
Revenues							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Finance Received		Manager Recommended		Commission Approval			



Lincoln County Capital Improvement Program

Project Name Shea Homes Waterline Construction
Department Public Works
Project Location Denver - Highway 73

Project # PW-WAT-0052
Account # 64
Status Bidding

Description: Agreement with Shea Homes to upgrade 12-inch water line near Trilogy development to 24-inch water line.	Project Photo or Map 
Justification: On February 16, 2015, Lincoln County Board of Commissioners approved an agreement to fund upsizing the waterline improvement from a 12" to a 24" line.	

Project Status Bidding	Project Type Waterline
Past Year Budget	Past Request No
Current Year Budget	Funded (Yes/No) Yes
Total Expenditures	Projected Start
Project Balance	Projected Finish

Expenses						
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026
Planning/Design						\$0.00
Land						\$0.00
Construction	\$350,000.00					\$350,000.00
Equipment						\$0.00
Fiscal Year Total	\$350,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$350,000.00

Revenue						
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026
General Fund						\$0.00
Enterprise Fund	\$350,000.00					\$350,000.00
Grants						\$0.00
Bonds/Other						\$0.00
Fiscal Year Total	\$350,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$350,000.00

Operating Impact						
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026
Personnel						\$0.00
Maint./Ops.						\$0.00
Capital Outlay						\$0.00
Revenues						\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name Hydraulic Models and Plan
Department Public Works
Project Location County Wide

Project # PW-WAT-1703
Account # 64
Status Proposal

Description: Water and Wastewater Hydraulic Models, Master Plan and CIP review	Project Photo or Map  Legend: <ul style="list-style-type: none">Hydro / Growth Study for SystemGrowth AreasAsset Management Grant Opportunity
Justification: There are many opportunities for growth in Lincoln County. There is a need to plan for growth to develop water and waste water systems to be developed and built to meet the growth. Forward planning will reduce the potential for under sized facilities and costly upgrades in the future.	
Project Status	Proposal
Past Year Budget	\$0
Current Year Budget	\$325,000
Total Expenditures	
Project Balance	

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design	\$325,000.00						\$325,000.00
Land							\$0.00
Construction							\$0.00
Equipment							\$0.00
Fiscal Year Total	\$325,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$325,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$325,000.00						\$325,000.00
Grant seeking 150k							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$325,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$325,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay							\$0.00
Revenues							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



**Lincoln County
Capital Improvement Program**

Project Name Replacement of 2008 Ford Escape
Department Public Works (7130)
Project Location Public Works Shop - 45175-V

Project # PW-WAT-1704a
Account # 61
Status

Description: Replace 2008 Ford Escape 4x4, with 131,000 miles, with a new 1/2 ton 4x4 truck.	Project Photo or Map 
Justification: The existing 2008 Ford Escape has approximately 131,000 miles and was involved in a front end collision in early 2009. The vehicle was repaired but has continued maintenance problems.	
Project Status	Request
Past Year Budget	\$0
Current Year Budget	\$25,000
Total Expenditures	Funded (Yes/No)
Project Balance	Yes Projected Start Projected Finish

Expenses						
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026
Planning/Design						\$0.00
Land						\$0.00
Construction						\$0.00
Equipment	\$25,000.00					\$25,000.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Revenue						
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026
General Fund						\$0.00
Enterprise Fund	\$25,000.00					\$25,000.00
Grants						\$0.00
Bonds/Other						\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Operating Impact						
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026
Personnel						\$0.00
Maint./Ops.						\$0.00
Capital Outlay	\$25,000.00					\$25,000.00
Revenues						\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



**Lincoln County
Capital Improvement Program**

Project Name New Service Truck for New Collections Crew
Department Public Works (7130)
Project Location Public Works Shop

Project # PW-WAT-1704b
Account # 61
Status

<p>Description: A new 1 ton 4x4 service truck with a service body is needed for the proposed new two person Collections Division.</p> <p>Justification: Due to additional work requirements and additional new subdivisions a new Collection Crew is required to meet the NC DENR Permit Requirements. The new collections crew will require a service truck to accomplish daily tasks and emergency situations.</p>		<p>Project Photo or Map</p>	
Project Status	Request	Project Type	Capital Expense - Vehicle
Past Year Budget	\$0	Past Request	No
Current Year Budget	\$50,000	Funded (Yes/No)	Yes
Total Expenditures		Projected Start	
Project Balance		Projected Finish	

Expenses

Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land							\$0.00
Construction							\$0.00
Equipment	\$50,000.00						\$50,000.00
Fiscal Year Total	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00

Revenue

Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$50,000.00						\$50,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00

Operating Impact

Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay	\$50,000.00						\$50,000.00
Revenues							\$0.00
Fiscal Year Total	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name 2010 Backhoe Bucket Replacement
Department Public Works (7120)
Project Location Public Works Shop

Project # PW-WAT-1704c
Account # 61
Status

Description: 2010 Caterpillar Backhoe Front Bucket replacement with a 4 in 1 bucket and the installation of a thumb attachment on the excavator bucket.	Project Photo or Map
Justification: The 2010 Caterpillar Backhoe was purchased with a standard front bucket and a standard excavation bucket. The replacement of the front bucket is required for restoration of excavations and the Thumb Attachment on the excavator will allow for the safe removal of pipe, concrete, and asphalt debris from the excavation. The existing front bucket will be retained for replacement in emergency repair to both 2010 Caterpillar Backhoes.	

Project Status	Request	Project Type	Capital Expense - Equipment
Past Year Budget	\$0	Past Request	No
Current Year Budget	\$10,000	Funded (Yes/No)	Yes
Total Expenditures		Projected Start	
Project Balance		Projected Finish	

Expenses	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land							\$0.00
Construction							\$0.00
Equipment	\$10,000.00						\$10,000.00
Fiscal Year Total	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,000.00

Revenue	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$10,000.00						\$10,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,000.00

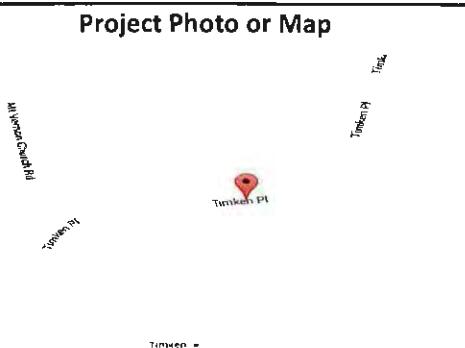
Operating Impact	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay							\$0.00
Revenues							\$0.00
Fiscal Year Total	\$0.00						

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name	Large Water Meter Replacement	Project #	PW-WAT-1705
Department	Public Works (7120)	Account #	61
Project Location	Distribution System	Status	

Description: Project to replace several large consumption water meters at major industries.	Project Photo or Map 
Justification: Several major industries that consumes large volumes of water and sewer are 30+ years in age and need to be replaced for accuracy and reliability. Funds are to be used to replace multiple large meters until funds are expended.	
Project Status	Request
Past Year Budget	
Current Year Budget	\$25,000
Total Expenditures	
Project Balance	
Project Type	Capital Expense
Past Request	No
Funded (Yes/No)	Yes
Projected Start	
Projected Finish	

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land							\$0.00
Construction							\$0.00
Equipment	\$25,000.00						\$25,000.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$25,000.00						\$25,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay	\$25,000.00						\$25,000.00
Revenues							\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name KCWWTP Vehicle Replacement
Department Public Works
Project Location Killian Creek WWTP - 45170-V

Project # PW-SEW-1701a
Account # 61
Status

Description: Replacement of 2004 Ford F-150 with a new Half Ton 4x4 Pickup	Project Photo or Map
Justification: KCWWTP currently has a 2004 Ford F-150 that has increased maintenance cost due to age and use. It needs to be replaced by a new half ton 4x4 pick up.	
Project Status	Request
Past Year Budget	\$0
Current Year Budget	\$25,000
Total Expenditures	Funded (Yes/No) Yes
Project Balance	Projected Start Projected Finish

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land							\$0.00
Construction							\$0.00
Equipment	\$25,000.00						\$25,000.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$25,000.00						\$25,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay	\$25,000.00						\$25,000.00
Revenues							\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name KCWWTP Vehicle Replacement
Department Public Works
Project Location Killian Creek WWTP - 45169-V

Project # PW-SEW-1701b
Account # 61
Status

Description: Replacent of Car with Half Ton 4x4 Pickup	Project Photo or Map
Justification: KCWWTP currently has a 2003 Ford Focus that is not suited for the work required of it at the wastewater plant. It has 78681 miles on the Odometer. It needs to be replaced by a half ton 4x4 pick up.	
Project Status	Request
Past Year Budget	\$0
Current Year Budget	\$25,000
Total Expenditures	
Project Balance	

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design							\$0.00
Land							\$0.00
Construction							\$0.00
Equipment	\$25,000.00						\$25,000.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$25,000.00						\$25,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay	\$25,000.00						\$25,000.00
Revenues							\$0.00
Fiscal Year Total	\$25,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,000.00

Finance Received _____ Manager Recommended _____ Commission Approval _____



Lincoln County Capital Improvement Program

Project Name Sewer Pump Station Rehabilitations
Department Public Works (7130)
Project Location Lakeshore Road South, Denver, NC

Project # PW-SEW-1702
Account # 64
Status Proposals

Description: Pump Stations #5 and #6 required replacement of existing piping, valves, and related appurtenances. Both stations also require that the concrete wet wells be lined with fiberglass walls to inhibit corrosion.		Project Photo or Map
Justification: Pump Stations #5 & #6 are subject to high levels of hydrogen sulfide due to only having low pressure sewer deposited into them. The hydrogen sulfide has greatly deteriorated the concrete wetwells, discharge piping, valves, pump rails, and related appurtenances. The deterioration has progressed to the point of failure of the structural integrity of the stations. Failure of either station can result in sewer spills into Lake Norman, private property damage, and violation of NCDENR		
Project Status Design Proposals	Project Type Rehabilitation	
Past Year Budget 0	Past Request No	
Current Year Budget \$365,000.00	Funded (Yes/No) Yes	
Total Expenditures	Projected Start	
Project Balance	Projected Finish	

Expenses							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Planning/Design	\$15,000.00						\$15,000.00
Land							\$0.00
Construction	\$350,000.00						\$350,000.00
Equipment							\$0.00
Fiscal Year Total	\$365,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$365,000.00

Revenue							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
General Fund							\$0.00
Enterprise Fund	\$365,000.00						\$365,000.00
Grants							\$0.00
Bonds/Other							\$0.00
Fiscal Year Total	\$365,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$365,000.00

Operating Impact							
Fiscal Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2026	Total
Personnel							\$0.00
Maint./Ops.							\$0.00
Capital Outlay							\$0.00
Revenues							\$0.00
Fiscal Year Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Finance Received _____ Manager Recommended _____ Commission Approval _____

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