

WATER AND SEWER FUND
REVENUES

WATER AND SEWER FUND REVENUES SUMMARY

	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FUTURE	TOTAL
REVENUE SOURCES							
Water Revenue	\$ 249,600	\$ 259,600	\$ 270,000	\$ 276,700	\$ 283,600	\$ 290,000	\$ 1,629,500
Sewer Revenue	\$ 936,000	\$ 973,500	\$ 975,000	\$ 1,012,500	\$ 1,050,000	\$ 1,100,000	\$ 6,047,000
Chimney Rock Water	\$ 15,000	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500	\$ 20,000	\$ 105,000
Water and Sewer Taps	\$ 9,000	\$ 9,000	\$ 12,000	\$ 12,000	\$ 15,000	\$ 15,000	\$ 72,000
Water Tank Rental	\$ 12,000	\$ 12,000	\$ 12,000	\$ 15,000	\$ 15,000	\$ 20,000	\$ 86,000
Interest Earned	\$ 100	\$ 150	\$ 500	\$ 500	\$ 750	\$ 750	\$ 2,750
Miscellaneous/Late Fees	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 39,000
Water/Sewer Transfer Fees	\$ 500	\$ 500	\$ 500	\$ 500	\$ 1,000	\$ 1,000	\$ 4,000
TOTALS	\$ 1,228,700	\$ 1,278,750	\$ 1,294,000	\$ 1,341,200	\$ 1,389,350	\$ 1,453,250	\$ 7,985,250
HISTORICAL DATA							
Average % Capital vs. Revenue	10%	10%	10%	10%	10%	10%	10%
Capital Based on Average %	\$ 122,870	\$ 127,875	\$ 129,400	\$ 134,120	\$ 138,935	\$ 145,325	\$ 798,525
DEBT SERVICE							
Existing	\$ 132,841	\$ 131,552	\$ 130,262	\$ 128,972	\$ 127,682	\$ 125,782	\$ 777,091
Proposed	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 482,841	\$ 481,552	\$ 480,262	\$ 478,972	\$ 477,682	\$ 475,782	\$ 2,877,091
Revenue Classifications							
Operating Revenues	\$ 192,000	\$ 230,000	\$ 200,000	\$ 180,000	\$ 113,200	\$ 200,000	\$ 1,115,200
Impact Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt/Financing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 8,750,000	\$ 10,500,000
TOTAL	\$ 542,000	\$ 580,000	\$ 550,000	\$ 530,000	\$ 463,200	\$ 8,950,000	\$ 11,615,200
Expenditure Classifications							
Planning/Design/Engineering	\$ 1,030,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 20,000	\$ 1,125,000
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 162,000	\$ 4,960,000	\$ 4,930,000	\$ 160,000	\$ 98,200	\$ 180,000	\$ 10,490,200
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hardware/Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 1,192,000	\$ 4,980,000	\$ 4,950,000	\$ 180,000	\$ 113,200	\$ 200,000	\$ 11,615,200

WATER AND SEWER FUND
EXPENDITURES

WATER AND SEWER FUND SUMMARY ALL DEPARTMENTS

PROJECT DESCRIPTION	PRIORITY CODE	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FUTURE	TOTAL
713 Water								
Firefly Cove Well System	1	10,000	75,000	0	0	0	0	85,000
Water Line Replacement	2	150,000	155,000	200,000	180,000	95,000	200,000	980,000
Water Tank Maintenance	C	0	0	0	0	18,200	0	18,200
Sub-Total: Water		160,000	230,000	200,000	180,000	113,200	200,000	1,083,200
714 Sewer								
Pump Station Equipment	1	12,000	0	0	0	0	0	12,000
Bar Screen Replacement	2	20,000	0	0	0	0	0	20,000
Sewer Line Replacement	3	1,000,000	4,750,000	4,750,000	0	0	0	10,500,000
Sub-Total: Sewer		1,032,000	4,750,000	4,750,000	0	0	0	10,532,000
WATER AND SEWER FUND TOTALS		1,192,000	4,980,000	4,950,000	180,000	113,200	200,000	11,615,200
Expenditure Classifications								
Planning/Design/Engineering		1,030,000	20,000	20,000	20,000	15,000	20,000	1,125,000
Land		0	0	0	0	0	0	0
Construction		162,000	4,960,000	4,930,000	160,000	98,200	180,000	10,490,200
Equipment		0	0	0	0	0	0	0
Hardware/Software		0	0	0	0	0	0	0
TOTALS		1,192,000	4,980,000	4,950,000	180,000	113,200	200,000	11,615,200
Revenue Classifications								
Operating Revenues		192,000	230,000	200,000	180,000	113,200	200,000	1,115,200
Impact Fees		0	0	0	0	0	0	0
Debt/Financing		0	0	0	0	0	0	0
Grant		0	0	0	0	0	0	0
Other		350,000	350,000	350,000	350,000	350,000	8,750,000	10,500,000
TOTALS		542,000	580,000	550,000	530,000	463,200	8,950,000	11,615,200

WATER AND SEWER FUND
EXPENDITURES

713000 - WATER

713000 - WATER SUMMARY

The Lake Lure Water Department protects and enhances the health and economic stability of the community through the provision of clean drinking water. The Department is committed to ensuring that all customers have a safe and reliable source of clean drinking water, while striving to offer a high level of customer service.

PROJECT DESCRIPTION	PRIORITY CODE	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FUTURE	TOTAL
Firefly Cove Well System	1	\$ 10,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000
Water Line Replacement	2	\$ 150,000	\$ 155,000	\$ 200,000	\$ 180,000	\$ 95,000	\$ 200,000	\$ 980,000
Water Tank Maintenance	C	\$ -	\$ -	\$ -	\$ -	\$ 18,200	\$ -	\$ 18,200
TOTALS		\$ 160,000	\$ 230,000	\$ 200,000	\$ 180,000	\$ 113,200	\$ 200,000	\$ 1,083,200
Expenditure Classifications								
Planning/Design/Engineering		\$ 30,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 20,000	\$ 125,000
Land		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 130,000	\$ 210,000	\$ 180,000	\$ 160,000	\$ 98,200	\$ 180,000	\$ 958,200
Equipment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hardware/Software		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS		\$ 160,000	\$ 230,000	\$ 200,000	\$ 180,000	\$ 113,200	\$ 200,000	\$ 1,083,200
Revenue Classifications								
Operating Revenues - Water		\$ 160,000	\$ 230,000	\$ 200,000	\$ 180,000	\$ 113,200	\$ 200,000	\$ 1,083,200
Operating Funds - Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt/Financing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS		\$ 160,000	\$ 230,000	\$ 200,000	\$ 180,000	\$ 113,200	\$ 200,000	\$ 1,083,200

Town of Lake Lure
Capital Improvement Plan - Project Summary Form

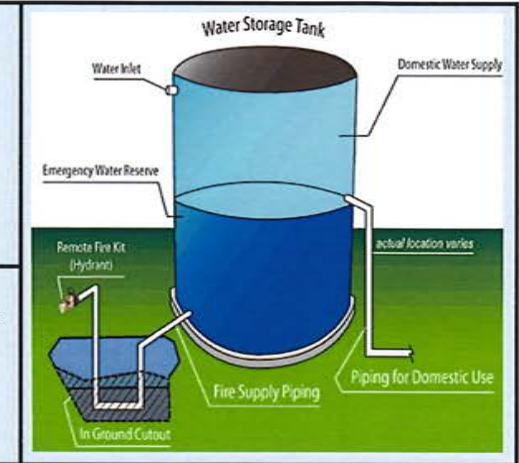
Project Title: Firefly Cove Well System
Department: Water
Acct. Number: 10-800000

Departmental Priority: 1
Organizational Priority: 1

Purpose: Health, Safety and Welfare ☒ Mandate ☐ Renovation/Replacement ☒ Expansion ☐

Description: This project develops an engineered solution to providing a safe and consistent water supply to Firefly Cove in case of failure of the one well which supplies water to the area. The budget for this project is estimated.

Justification: The Firefly Cove water system operates completely off one well. The system was originally a two well system, however one of the wells was taken out of service after tests showed that the water was not safe to use. If the one well were to fail, the 36 homes in this area would only have a few days of reserve water supply.



Project Status: Unfunded ☒ Partially Funded ☐ Funded ☐

Total Appropriations To Date	Budget Year 1 2018 - 2019	Unappropriated Subsequent Years				Future Years	Total Requested Funds	Total Project Cost
		Year 2 2019 - 2020	Year 3 2020 - 2021	Year 4 2021 - 2022	Year 5 2022 - 2023			
	\$ 10,000	\$ 75,000					\$ 85,000	\$ 85,000

Milestones:	Recommended Time Schedule						Operating Budget Impact		
	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2018 - 2019	
Planning/Preliminary Design	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2018 - 2019	\$ -
Engineering/Arch. Services	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2019 - 2010	\$ -
Land/ROW/Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2020 - 2021	\$ -
Award of Contract	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2021 - 2022	\$ -
Construction/Purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2022 - 2023	\$ -
								Future Years	\$ -

Operating Budget Impact:	Salaries/Benefits	<input type="checkbox"/>	Utilities	<input type="checkbox"/>	Departmental Expenses	<input type="checkbox"/>
	Professional Services	<input type="checkbox"/>	Maintenance/Repair	<input type="checkbox"/>	Capital Outlay	<input type="checkbox"/>

Project Costs:	Current Estimated Cost	Prior Year Costs	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Planning/Design/Engineering			\$ 10,000						\$ 10,000
Land/ROW Acquisition				\$ 75,000					\$ -
Construction									\$ 75,000
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ -	\$ -	\$ 10,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ -	\$ -	\$ 10,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000

Source of Funds:	Percentage	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Current Revenue <input checked="" type="checkbox"/>	100.00%	\$ 10,000	\$ 75,000					\$ 85,000
Bonds <input type="checkbox"/>								\$ -
Assessment <input type="checkbox"/>								\$ -
Lease/Purchase <input type="checkbox"/>								\$ -
Grant <input type="checkbox"/>								\$ -
Other: <input type="checkbox"/>								\$ -
Total Funding:	100.00%	\$ 10,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000

Town of Lake Lure
Capital Improvement Plan - Project Summary Form

Project Title: Water Line Replacement
Department: Water
Acct. Number: 10-800000

Departmental Priority: 2
Organizational Priority: 2

Purpose: Health, Safety and Welfare ☐ Mandate ☐ Renovation/Replacement ☒ Expansion ☐

Description: As new technology increases the life span of water lines, the Town should continuously upgrade outdated or improperly sized water lines. Budget figures for 2018-2019 includes the replacement of a water line along Lakeview Road. Budget figures for 2019-2020 includes the replacement of water lines along Harris Road and Jack London Road. Budget figures for 2020-2021 include the replacement of a water line along Luther Burbanks Drive. Budget figures for 2021-2022 includes the replacement of a water line along Sidney Lanier. Budget figures for Future Years includes the replacement of a water line in front of the Arcade Building.

Justification: The continual replacement of water lines is necessary as a preventative maintenance measure. Lines will be replaced on an as-needed basis as determined by the Public Works Director. Work on the replacement of these lines will be accomplished by contractors in the case of large projects, and by town crews in the case of smaller projects.



Project Status: Unfunded ☒ Partially Funded ☐ Funded ☐

Total Appropriations To Date	Budget Year 1 2018 - 2019	Unappropriated Subsequent Years				Future Years	Total Requested Funds	Total Project Cost
		Year 2 2019 - 2020	Year 3 2020 - 2021	Year 4 2021 - 2022	Year 5 2022 - 2023			
	\$ 150,000	\$ 155,000	\$ 200,000	\$ 180,000	\$ 95,000	\$ 200,000	\$ 980,000	\$ 980,000

Milestones:	Recommended Time Schedule						Operating Budget Impact		
	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2018 - 2019	
Planning/Preliminary Design	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2018 - 2019	\$ -
Engineering/Arch. Services	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2019 - 2020	\$ -
Land/ROW/Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2020 - 2021	\$ -
Award of Contract	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2021 - 2022	\$ -
Construction/Purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2022 - 2023	\$ -
								Future Years	\$ -

Operating Budget Impact:	Salaries/Benefits	<input type="checkbox"/>	Utilities	<input type="checkbox"/>	Departmental Expenses	<input type="checkbox"/>
	Professional Services	<input type="checkbox"/>	Maintenance/Repair	<input type="checkbox"/>	Capital Outlay	<input type="checkbox"/>

Project Costs:	Current Estimated Cost	Prior Year Costs	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Planning/Design/Engineering	\$ 115,000		\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 20,000	\$ 115,000
Land/ROW Acquisition									\$ -
Construction	\$ 865,000		\$ 130,000	\$ 135,000	\$ 180,000	\$ 160,000	\$ 80,000	\$ 180,000	\$ 865,000
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ 980,000	\$ -	\$ 150,000	\$ 155,000	\$ 200,000	\$ 180,000	\$ 95,000	\$ 200,000	\$ 980,000
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ 980,000	\$ -	\$ 150,000	\$ 155,000	\$ 200,000	\$ 180,000	\$ 95,000	\$ 200,000	\$ 980,000

Source of Funds:	Percentage	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Current Revenue <input checked="" type="checkbox"/>	100.00%	\$ 150,000	\$ 155,000	\$ 200,000	\$ 180,000	\$ 95,000	\$ 200,000	\$ 980,000
Bonds <input type="checkbox"/>								\$ -
Assessment <input type="checkbox"/>								\$ -
Lease/Purchase <input type="checkbox"/>								\$ -
Grant <input type="checkbox"/>								\$ -
Other: <input type="checkbox"/>								\$ -
Total Funding:	100.00%	\$ 150,000	\$ 155,000	\$ 200,000	\$ 180,000	\$ 95,000	\$ 200,000	\$ 980,000

Town of Lake Lure
Capital Improvement Plan - Project Summary Form

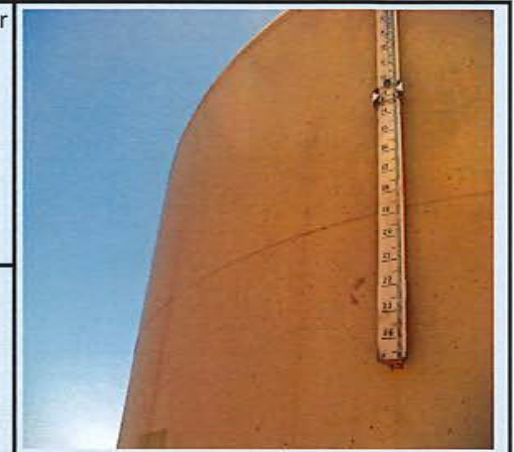
Project Title: Water Tank Maintenance
Department: Water
Acct. Number: 10-800000

Departmental Priority: 3
Organizational Priority: C

Purpose: Health, Safety and Welfare ☒ Mandate ☒ Renovation/Replacement ☒ Expansion ☐

Description: This project inspects and cleans the water system storage tanks. In fiscal year 2022-2023, funds are provided for the inspection and cleaning of all four water storage tanks. All four storage tanks are placed on a five year inspection and cleaning cycle. The large, 200,000 gallon storage tank is under a separate contract for maintenance.

Justification: The State of North Carolina requires inspections of the Town's water storage tanks be completed every five years and that any maintenance concerns be addressed at that same time.



Project Status: Unfunded ☒ Partially Funded ☐ Funded ☐

Total Appropriations To Date	Budget Year 1 2018 - 2019	Unappropriated Subsequent Years				Future Years	Total Requested Funds	Total Project Cost
		Year 2 2019 - 2020	Year 3 2020 - 2021	Year 4 2021 - 2022	Year 5 2022 - 2023			
					\$ 18,200		\$ 18,200	\$ 18,200

Milestones:	Recommended Time Schedule						Operating Budget Impact	
	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2018 - 2019
Planning/Preliminary Design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ -
Engineering/Arch. Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ -
Land/ROW/Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ -
Award of Contract	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ -
Construction/Purchase	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ -
								Future Years

Operating Budget Impact:

Salaries/Benefits
Professional Services☐
☐Utilities
Maintenance/Repair☐
☐Departmental Expenses
Capital Outlay☐
☐

Project Costs:	Current Estimated Cost	Prior Year Costs	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Planning/Design/Engineering									\$ -
Land/ROW Acquisition									\$ -
Construction	\$ 18,200	\$ 4,500					\$ 18,200		\$ 18,200
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ 18,200	\$ 4,500	\$ -	\$ -	\$ -	\$ -	\$ 18,200	\$ -	\$ 18,200
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ 18,200	\$ 4,500	\$ -	\$ -	\$ -	\$ -	\$ 18,200	\$ -	\$ 18,200

Source of Funds:	Percentage	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Current Revenue <input checked="" type="checkbox"/>	100.00%					\$ 18,200		\$ 18,200
Bonds <input type="checkbox"/>								\$ -
Assessment <input type="checkbox"/>								\$ -
Lease/Purchase <input type="checkbox"/>								\$ -
Grant <input type="checkbox"/>								\$ -
Other: <input type="checkbox"/>								\$ -
Total Funding:	100.00%	\$ -	\$ -	\$ -	\$ -	\$ 18,200	\$ -	\$ 18,200

WATER AND SEWER FUND
EXPENDITURES

714000 - SEWER

714000 - SEWER SUMMARY

The Sewer Department protects and enhances the health and economic stability of the community through the provision of proper wastewater collection and treatment. The Department is committed to ensuring that all the Town's wastewater is handled and processed in an efficient and environmentally friendly way, while striving to offer a high level of customer service.

PROJECT DESCRIPTION	PRIORITY CODE	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FUTURE	TOTAL
Pump Station Equipment	1	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000
Bar Screen Replacement	2	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
Sewer Line Replacement	3	\$ 1,000,000	\$ 4,750,000	\$ 4,750,000	\$ -	\$ -	\$ -	\$ 10,500,000
TOTALS		\$ 1,032,000	\$ 4,750,000	\$ 4,750,000	\$ -	\$ -	\$ -	\$ 10,532,000
Expenditure Classifications								
Planning/Design/Engineering		\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Land		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 32,000	\$ 4,750,000	\$ 4,750,000	\$ -	\$ -	\$ -	\$ 9,532,000
Equipment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hardware/Software		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS		\$ 1,032,000	\$ 4,750,000	\$ 4,750,000	\$ -	\$ -	\$ -	\$ 10,532,000
Revenue Classifications								
Operating Revenues - Sewer		\$ 32,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,000
Operating Funds - Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt/Financing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other		\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 8,750,000	\$ 10,500,000
TOTALS		\$ 382,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 8,750,000	\$ 10,532,000

Town of Lake Lure
Capital Improvement Plan - Project Summary Form

Project Title: Pump Station Equipment Rehabilitation
Department: Sewer
Acct. Number: 10-800000

Departmental Priority: 1
Organizational Priority: 1

Purpose: Health, Safety and Welfare ☐ Mandate ☐ Renovation/Replacement ☒ Expansion ☐

Description: This project completes the equipment rehabilitation and upgrade of the sludge pumps at the treatment plant and wastewater pump station below the hydroelectric dam. Work will include repair to the rotating assemblies, wear plates on the pumps, and rebuilding of valves. The work will also include the annual service and maintenance repairs, which will be made by the pump manufacturer.

Justification: While some work to this equipment was completed last fiscal year, more repair and maintenance work is needed. The pumps at both locations operate around the clock, require constant attention, and the performance of annual maintenance. In the event of failure, the Town will receive a sanitary sewer overflow violation notice and will be subject to fines from the State.



Project Status: Unfunded ☒ Partially Funded ☐ Funded ☐

Total Appropriations To Date	Budget Year 1 2018 - 2019	Unappropriated Subsequent Years				Future Years	Total Requested Funds	Total Project Cost
		Year 2 2019 - 2020	Year 3 2020 - 2021	Year 4 2021 - 2022	Year 5 2022 - 2023			
	\$ 12,000						\$ 12,000	\$ 12,000

Recommended Time Schedule

Milestones:

Planning/Preliminary Design
Engineering/Arch. Services
Land/ROW/Acquisition
Award of Contract
Construction/Purchase

2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Operating Budget Impact	
2018 - 2019	\$ -
2019 - 2020	\$ -
2020 - 2021	\$ -
2021 - 2022	\$ -
2022 - 2023	\$ -
Future Years	\$ -

Operating Budget Impact:

Salaries/Benefits
Professional Services

☐
☐

Utilities
Maintenance/Repair

☐
☐

Departmental Expenses
Capital Outlay

☐
☐

Project Costs:

Planning/Design/Engineering
Land/ROW Acquisition
Construction
Equipment
Hardware/Software

Current Estimated Cost	Prior Year Costs	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
								\$ -
								\$ -
\$ 12,000		\$ 12,000						\$ 12,000
								\$ -
								\$ -
\$ 12,000	\$ -	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000
Total Project Costs:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operating Budget Costs:		\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000

Source of Funds:

Current Revenue
Bonds
Assessment
Lease/Purchase
Grant
Other: _____

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Percentage	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
100.00%	\$ 12,000						\$ 12,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
100.00%	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000

Total Funding:

Town of Lake Lure
Capital Improvement Plan - Project Summary Form

Project Title: Bar Screen Replacement
Department: Sewer
Acct. Number: 10-800000

Departmental Priority: 2
Organizational Priority: 2

Purpose: Health, Safety and Welfare ☐ Mandate ☐ Renovation/Replacement ☒ Expansion ☐

Description: This project replaces the bar screen, which is a mechanical filter used to remove large objects from the wastewater. The bar screen is the first level of filtration at the wastewater treatment plant. Items removed from the influent are called screenings and are collected in dumpsters and disposed of in the landfill.

Justification: The existing bar screen has been in service for many years and contains a lot of moving parts. The bar screen is showing signs of extreme wear and is failing often. As a bar screen collects objects, the water level will rise, and so they must be cleared regularly and occasionally replaced to prevent overflow.



Project Status: Unfunded ☒ Partially Funded ☐ Funded ☐

Total Appropriations To Date	Budget Year 1 2018 - 2019	Unappropriated Subsequent Years				Future Years	Total Requested Funds	Total Project Cost
		Year 2 2019 - 2020	Year 3 2020 - 2021	Year 4 2021 - 2022	Year 5 2022 - 2023			
	\$ 20,000						\$ 20,000	\$ 20,000

Town of Lake Lure
Capital Improvement Plan - Project Summary Form

Project Title: Sewer Line Replacement
 Department: Sewer
 Acct. Number: 10-800000

Departmental Priority: 3
 Organizational Priority: 3

Purpose: Health, Safety and Welfare ☐ Mandate ☐ Renovation/Replacement ☒ Expansion ☐

Description: This project begins a systematic replacement of the unique 1920's cast-iron sewer line system within the lake. While further engineering is needed, this project proposes a phased approach to replacing the existing sewer lines with either new low-pressure lines located around the lake or new low-pressure lines at the lake edge. This budget figure is estimated but based on a \$11,000,000 total project cost, with a \$500,000 principal forgiveness loan at 0% interest for 30 years through the North Carolina Clean Water State Revolving Fund.

Justification: The sewer system is now over 90 years old. Lake water infiltration is increasing at the plant and a better, longer term solution is needed. It was proposed that the Greenline Project would help resolve these issues, however due to the increased project cost and higher infiltration amounts, it now seems more feasible to replace the existing system and then determine if a regional approach is appropriate.



Project Status: Unfunded ☒ Partially Funded ☐ Funded ☐

Total Appropriations To Date	Budget Year 1 2018 - 2019	Unappropriated Subsequent Years				Future Years	Total Requested Funds	Total Project Cost
		Year 2 2019 - 2020	Year 3 2020 - 2021	Year 4 2021 - 2022	Year 5 2022 - 2023			
	\$ 1,000,000	\$ 4,750,000	\$ 4,750,000				\$ 10,500,000	\$ 10,500,000

Milestones:	Recommended Time Schedule						Operating Budget Impact		
	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2018 - 2019	
Planning/Preliminary Design	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2018 - 2019	\$ -
Engineering/Arch. Services	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2019 - 2020	\$ -
Land/ROW/Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2020 - 2021	\$ -
Award of Contract	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2021 - 2022	\$ -
Construction/Purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2022 - 2023	\$ -
								Future Years	\$ -

Operating Budget Impact:	Salaries/Benefits	<input type="checkbox"/>	Utilities	<input type="checkbox"/>	Departmental Expenses	<input type="checkbox"/>
	Professional Services	<input type="checkbox"/>	Maintenance/Repair	<input type="checkbox"/>	Capital Outlay	<input type="checkbox"/>

Project Costs:	Current Estimated Cost	Prior Year Costs	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Planning/Design/Engineering	\$ 1,000,000		\$ 1,000,000						\$ 1,000,000
Land/ROW Acquisition									\$ -
Construction				\$ 4,750,000	\$ 4,750,000				\$ 9,500,000
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 4,750,000	\$ 4,750,000	\$ -	\$ -	\$ -	\$ 10,500,000
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 4,750,000	\$ 4,750,000	\$ -	\$ -	\$ -	\$ 10,500,000

Source of Funds:	Percentage	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
Current Revenue	<input type="checkbox"/>							\$ -
Bonds	<input type="checkbox"/>							\$ -
Assessment	<input type="checkbox"/>							\$ -
Lease/Purchase	<input type="checkbox"/>							\$ -
Grant	<input type="checkbox"/>							\$ -
Other: Clean Water Revolving Fund	<input checked="" type="checkbox"/>	100.00%	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 8,750,000	\$ 10,500,000
Total Funding:		100.00%	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 8,750,000	\$ 10,500,000