

ELECTRIC FUND
REVENUES

ELECTRIC FUND REVENUES SUMMARY

	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FUTURE	TOTAL
REVENUE SOURCES							
Electric Revenue	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
Interest Earned	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 3,000
TOTALS	\$ 350,500	\$ 350,500	\$ 350,500	\$ 350,500	\$ 350,500	\$ 350,500	\$ 2,103,000
HISTORICAL DATA							
Average % Capital vs. Revenue	30%	30%	30%	30%	30%	30%	30%
Capital Based on Average %	\$ 105,150	\$ 105,150	\$ 105,150	\$ 105,150	\$ 105,150	\$ 105,150	\$ 630,900
DEBT SERVICE							
Existing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Proposed	\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ 156,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ 156,000
Revenue Classifications							
Operating Revenues	\$ 130,000	\$ 79,000	\$ -	\$ -	\$ 87,000	\$ -	\$ 296,000
Impact Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt/Financing	\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ 156,000
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 130,000	\$ 79,000	\$ -	\$ -	\$ 102,600	\$ 140,400	\$ 452,000
Expenditure Classifications							
Planning/Design/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 105,000	\$ 79,000	\$ -	\$ -	\$ 87,000	\$ -	\$ 271,000
Equipment	\$ 25,000	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ 181,000
Hardware/Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 130,000	\$ 79,000	\$ -	\$ -	\$ 102,600	\$ 140,400	\$ 452,000

ELECTRIC FUND
EXPENDITURES

720000 - ELECTRIC OPERATIONS

720000 - ELECTRIC OPERATIONS SUMMARY

The Town of Lake Lure's Hydroelectric Department is responsible for the Dam Hydroelectric System and the wastewater system. The primary responsibility in managing the hydroelectric system is to maximize electricity generation while controlling the level of the lake.

PROJECT DESCRIPTION	PRIORITY CODE	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FUTURE	TOTAL
Head Gate Hoist Replacement	1	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Penstock Repairs	2	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Relocation of Propane Tank	3	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Butterfly Valves Automation	4	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Dredge Tailrace	5	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Turbine Water Seal	C	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000
Turbine Gate Platform - Electric	C	\$ -	\$ 14,000	\$ -	\$ -	\$ -	\$ -	\$ 14,000
Structural Supports-Power House	C	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Tainter Gate Hoist Cover	D	\$ -	\$ -	\$ -	\$ -	\$ 87,000	\$ -	\$ 87,000
Aerial Lift	D	\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ 156,000
TOTALS		\$ 130,000	\$ 79,000	\$ -	\$ -	\$ 102,600	\$ 140,400	\$ 452,000

Expenditure Classifications

Planning/Design/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 105,000	\$ 79,000	\$ -	\$ -	\$ 87,000	\$ -	\$ -	\$ 271,000
Equipment	\$ 25,000	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ -	\$ 181,000
Hardware/Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS	\$ 130,000	\$ 79,000	\$ -	\$ -	\$ 102,600	\$ 140,400	\$ -	\$ 452,000

Revenue Classifications

Operating Revenues - General	\$ 130,000	\$ 79,000	\$ -	\$ -	\$ 87,000	\$ -	\$ -	\$ 296,000
Operating Funds - Powell Bill	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt/Financing	\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ -	\$ 156,000
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS	\$ 130,000	\$ 79,000	\$ -	\$ -	\$ 102,600	\$ 140,400	\$ -	\$ 452,000

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Head Gate Hoist Replacement
Department: Electric Operations
Acct. Number: 56-800000

Departmental Priority: 1
Organizational Priority: 1

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

Description: This project repairs the original head gate hoist at the hydroelectric dam. The head gate hoist allows staff to raise and lower the intake gate in order to shut off or allow water into the penstock.

Justification: The hoist and cable are original to the dam and during use the motor makes grinding sounds and pulls high amps, often kicking the breakers at the plant. The engineer for the dam has advised the Town to immediately replace this equipment due to safety concerns.



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			
	\$ 40,000						\$ 40,000	\$ 40,000

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

Operating Budget Impact

2018 - 2019

\$ -

2019 - 2020

\$ -

2020 - 2021

\$ -

2021 - 2022

\$ -

2022 - 2023

\$ -

Future Years

\$ -

Operating Budget Impact:

Salaries/Benefits

☐

Utilities

☐

Departmental Expenses

☐

Professional Services

☐

Maintenance/Repair

☐

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
								\$ -
								\$ -
\$ 40,000		\$ 40,000						\$ 40,000
								\$ -
								\$ -
\$ 40,000	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Total Project Costs:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operating Budget Costs:		\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Total Project Estimated Costs:		\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000

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%	\$ 40,000						\$ 40,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
100.00%	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000

Total Funding:

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Penstock Repairs
Department: Electric Operations
Acct. Number: 56-800000

Departmental Priority: 2
Organizational Priority: 2

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

Description: This project repairs areas of the penstock.

Justification: Due to age and the environment, the penstock is deteriorating at some of the joints. During the last inspection, it was determined that sections of the penstock would have to be repaired by welding in place rolled steel, adding bulk to the weakened areas. After this work is completed, epoxy must be reapplied to the areas within the penstock.



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			
	\$ 30,000						\$ 30,000	\$ 30,000

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2019 - 2020	\$ -
Engineering/Arch. Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2020 - 2021	\$ -
Land/ROW/Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2021 - 2022	\$ -
Award of Contract	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2022 - 2023	\$ -
Construction/Purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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									\$ -
Land/ROW Acquisition									\$ -
Construction	\$ 30,000		\$ 30,000						\$ 30,000
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ 30,000	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ 30,000	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

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%	\$ 30,000						\$ 30,000
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%	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Relocation of Propane Tank and Generator
Department: Electric Operations
Acct. Number: 56-800000

Departmental Priority: 3
Organizational Priority: 3

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

Description: This project relocates the propane tank and generator at the dam. It is recommended that the propane tank and generator be relocated to the top of the hill next to the power substation.

Justification: During an inspection by the North Carolina Dam Safety Division, it was recommended that the propane tank for the emergency backup generator be relocated a safe distance from the dam. Several locations were reviewed and it was determined that next to the power substation was the most suitable location.



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			
	\$ 25,000						\$ 25,000	\$ 25,000

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 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 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 checked="" type="checkbox"/>	<input 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									\$ -
Land/ROW Acquisition									\$ -
Construction	\$ 25,000		\$ 25,000						\$ 25,000
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000

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%	\$ 25,000						\$ 25,000
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%	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Butterfly Valves Automation
Department: Electric Operations
Acct. Number: 56-800000

Departmental Priority: 4
Organizational Priority: 4

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

Description: This project automates the closing of the butterfly valves on Generators #1 and #2.

Justification: Closing the water to the generators requires two staff members. In an emergency, it would be difficult to close them quickly especially when working alone. The valves need rehabilitating and the addition of an automated emergency control that would allow one staff member to shut the water down in case of an emergency.



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			
	\$ 25,000						\$ 25,000	\$ 25,000

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Dredge Tailrace
 Department: Electric Operations
 Acct. Number: 56-800000

Departmental Priority: 5
 Organizational Priority: 5

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

Description: This project dredges the tailrace area of the river in front of the powerhouse.

Justification: By removing rocks and silt from the tailrace area in front of the powerhouse, the generators will be able to discharge water easier and produce more electricity. It is anticipated that this project could result in a one to two percent increase in revenue. Over time, the additional revenue generated from the project will pay for the completed work.



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						\$ 10,000	\$ 10,000

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Turbine Water Seal
 Department: Electric Operations
 Acct. Number: 56-800000

Departmental Priority: 6
 Organizational Priority: C

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

Description:		
Justification:		

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			
		\$ 35,000					\$ 35,000	\$ 35,000

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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ -
Construction/Purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ -
								Future Years

Operating Budget Impact:

Salaries/Benefits

☐

Utilities

☐

Departmental Expenses

☐

Professional Services

☐

Maintenance/Repair

☐

Capital Outlay

☐

Project Costs:

Planning/Design/Engineering

Land/ROW Acquisition

Construction

Equipment

Hardware/Software

Total Project Costs:

Total Operating Budget Costs:

Total Project Estimated 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
								\$ -
								\$ -
\$ 35,000			\$ 35,000					\$ 35,000
								\$ -
								\$ -
\$ 35,000	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 35,000	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

Source of Funds:

Current Revenue

☒

Bonds

☐

Assessment

☐

Lease/Purchase

☐

Grant

☐

Other:

☐

Total Funding:

Percentage	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
100.00%		\$ 35,000					\$ 35,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
100.00%	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Turbine Gate Platform - Electric
Department: Electric Operations
Acct. Number: 56-800000

Departmental Priority: 7
Organizational Priority: C

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

Description:

Justification:

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			
		\$ 14,000					\$ 14,000	\$ 14,000

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 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 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 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									\$ -
Land/ROW Acquisition									\$ -
Construction	\$ 14,000			\$ 14,000					\$ 14,000
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ 14,000	\$ -	\$ -	\$ 14,000	\$ -	\$ -	\$ -	\$ -	\$ 14,000
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ 14,000	\$ -	\$ -	\$ 14,000	\$ -	\$ -	\$ -	\$ -	\$ 14,000

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%		\$ 14,000					\$ 14,000
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%	\$ -	\$ 14,000	\$ -	\$ -	\$ -	\$ -	\$ 14,000

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Structural Supports - Power House
 Department: Electric Operations
 Acct. Number: 56-800000

Departmental Priority: 8
 Organizational Priority: C

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

Description:		
Justification:		

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			
		\$ 30,000					\$ 30,000	\$ 30,000

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

Operating Budget Impact

2018 - 2019

\$ -

2019 - 2020

\$ -

2020 - 2021

\$ -

2021 - 2022

\$ -

2022 - 2023

\$ -

Future Years

\$ -

Operating Budget Impact:

Salaries/Benefits

☐

Utilities

☐

Departmental Expenses

☐

Professional Services

☐

Maintenance/Repair

☐

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
								\$ -
								\$ -
\$ 30,000			\$ 30,000					\$ 30,000
								\$ -
								\$ -
\$ 30,000	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Total Project Costs:								
Total Operating Budget Costs:								
Total Project Estimated Costs:								

Source of Funds:

Current Revenue
Bonds
Assessment
Lease/Purchase
Grant
Other:

☒☐☐☐☐☐

Percentage	Budget 2018 - 2019	Budget 2019 - 2020	Budget 2020 - 2021	Budget 2021 - 2022	Budget 2022 - 2023	Future Years	Project Total
100.00%		\$ 30,000					\$ 30,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
100.00%	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Total Funding:

**Town of Lake Lure
Capital Improvement Plan - Project Summary Form**

Project Title: Tainter Gate Hoist Cover
Department: Electric Operations
Acct. Number: 56-800000

Departmental Priority: 9
Organizational Priority: D

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

Description: This project constructs a cover over the floodgate hoists, chains and motors and installs lighting on the platform.

Justification: The hoists, chains and motors to the floodgates are out in the open and subjected to the weather. In order to protect the equipment from the elements and increase its longevity, as well as to protect the employees when working at the floodgates, it is recommended that the area be covered and sufficient lighting be installed.



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			
					\$ 87,000		\$ 87,000	\$ 87,000

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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input 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									\$ -
Land/ROW Acquisition									\$ -
Construction	\$ 87,000						\$ 87,000		\$ 87,000
Equipment									\$ -
Hardware/Software									\$ -
Total Project Costs:	\$ 87,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 87,000	\$ -	\$ 87,000
Total Operating Budget Costs:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Project Estimated Costs:	\$ 87,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 87,000	\$ -	\$ 87,000

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%					\$ 87,000		\$ 87,000
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%	\$ -	\$ -	\$ -	\$ -	\$ 87,000	\$ -	\$ 87,000

Town of Lake Lure
Capital Improvement Plan - Project Summary Form

Project Title: Aerial Lift
Department: Electric Operations
Acct. Number: 56-800000

Departmental Priority: 10
Organizational Priority: D

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

Description: This project proposes the purchase of an aerial lift for the hydroelectric dam. The lift would be used for inspections, repairs, and installation of new equipment. The lift proposed, could also be shared with other departments. The aerial lift is estimated to cost approximately \$125,000 and is financed at four percent over a ten year period.

Justification: Operating and maintaining a ninety year old dam requires the use of unique pieces of equipment. The aerial lift would be used to perform inspections of the hoist, repair and paint the walls, and help with the installation of new lighting and other smaller equipment. The aerial lift proposed, is unique also in that it has to be light enough to be placed on the existing concrete floor.



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			
					\$ 15,600	\$ 140,400	\$ 156,000	\$ 156,000

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2019 - 2020	\$ -
Engineering/Arch. Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2020 - 2021	\$ -
Land/ROW/Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2021 - 2022	\$ 100
Award of Contract	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2022 - 2023	\$ 100
Construction/Purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Future Years	\$ 100

Operating Budget Impact:	Salaries/Benefits	<input type="checkbox"/>	Utilities	<input type="checkbox"/>	Departmental Expenses	<input checked="" type="checkbox"/>
	Professional Services	<input type="checkbox"/>	Maintenance/Repair	<input checked="" 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									\$ -
Land/ROW Acquisition									\$ -
Construction									\$ -
Equipment	\$ 156,000						\$ 15,600	\$ 140,400	\$ 156,000
Hardware/Software									\$ -
Total Project Costs:	\$ 156,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ 156,000
Total Operating Budget Costs:	\$ 300		\$ -	\$ -	\$ -	\$ 100	\$ 100	\$ 100	\$ 300
Total Project Estimated Costs:	\$ 156,300	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 15,700	\$ 140,500	\$ 156,300

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 checked="" type="checkbox"/>	100.00%				\$ 15,600	\$ 140,400	\$ 156,000
Grant	<input type="checkbox"/>							\$ -
Other:	<input type="checkbox"/>							\$ -
Total Funding:	100.00%	\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 140,400	\$ 156,000