

ELECTRIC

DEPARTMENTAL GOAL

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.

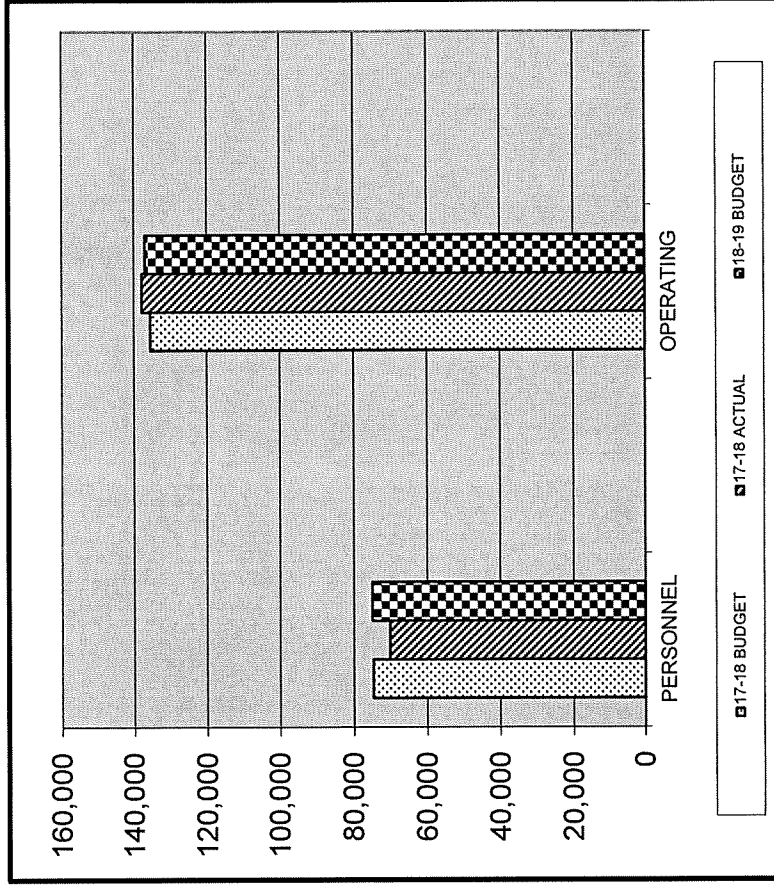
KEY ACTION ITEMS

1. Complete action items found in the State report.
2. Make much needed repairs to the penstock.
3. Repair the hoist at head gate to the penstock.
4. Develop Project A Plan from Dr. Marks' recommendations from his report consisting of four phases over five years.
5. Make year one phased improvements to the Dam as recommended by Dr. Marks.
6. Repair and/or replace lake level monitoring systems for storm water control.

WORKLOAD INDICATORS

<u>Revenue Generated</u>			
	FY 15-16	FY 16-17	FY 17-18
	413,283	\$ 571,954	\$ 378,507
			\$ 454,582
<u>Kilowatts Produced</u>			
	FY 15-16	FY 16-17	FY 17-18
	7,362,000	7,526,000	5,524,000
			6,804,000
<u>Hours of Generator Operation</u>			
	FY 15-16	FY 16-17	FY 17-18
	3,346	3,727	2,514
			3,195
<u>Rainfall (Inches)</u>			
	FY 15-16	FY 16-17	FY 17-18
	74.7	42.1	68.2
			61.7
	FY 15-16	FY 16-17	FY 17-18
			61.7
	FY 15-16	FY 16-17	FY 17-18
			61.7

ELECTRIC			
	APPROPRIATION FY 2017-2018	ESTIMATED EXPENDITURES JUNE 30, 2018	REQUEST FY 2018-2019
PERSONNEL:			
Salaries	53,100	49,200	54,300
Benefits	21,700	21,000	20,700
Subtotal	\$74,800	\$70,200	\$75,000
OPERATING EXPENSES			
Maintenance and Repair	48,000	27,800	48,000
Departmental Expenses	25,400	22,300	22,900
Utilities	4,000	3,700	4,000
Professional Services	58,000	84,000	62,000
Subtotal	\$135,400	\$137,800	\$136,900
CAPITAL OUTLAY	0	0	0
DEBT PAYMENT	0	0	368,000
TOTALS	\$210,200	\$208,000	\$579,900



**ELECTRIC
DETAIL NOTES**

1. Salaries and Benefits revised to reflect Cost of Living Adjustment.
2. Allocates debt service payments for the repair to the dam.

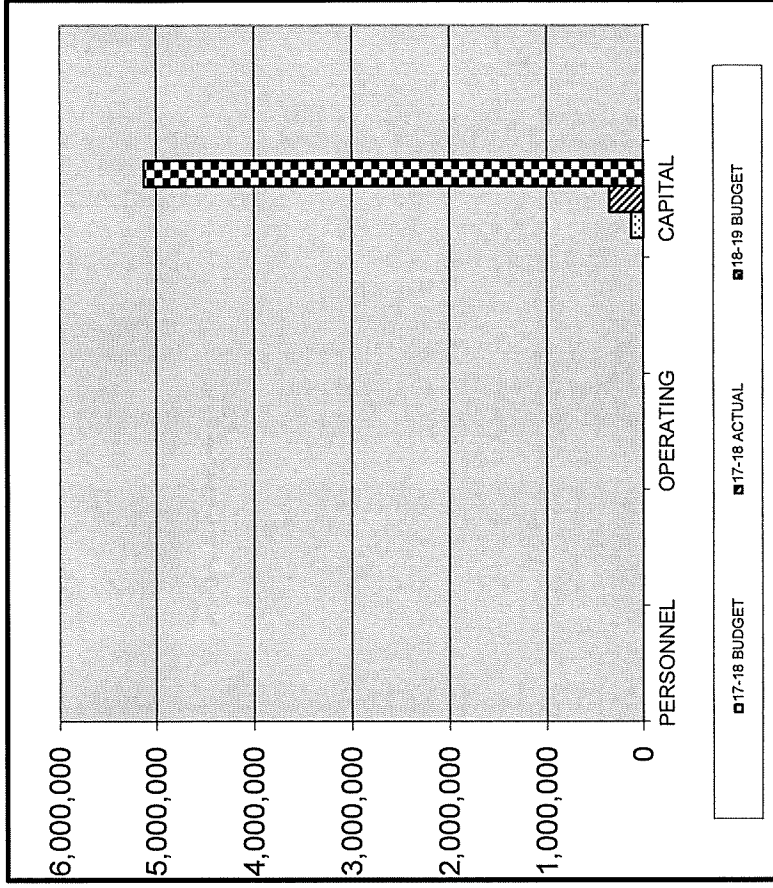
ACCOUNT NUMBER	DESCRIPTION	PRIOR YEAR FY 16-17	CURRENT YEAR BUDGET	ACTUAL @ 2-28-18	ESTIMATE @ 6-30-18	DEPT REQUEST FY 18-19	MANAGER RECOMMENDED FY 18-19	BOARD APPROVED FY 18-19
PERSONNEL SERVICES:								
720100	SALARIES & WAGES	53,674	53,100	33,292	49,200	40,200	54,300	
720109	FICA EXPENSE	3,983	4,100	2,686	4,100	2,500	4,300	
720110	RETIREMENT	5,982	7,100	5,128	7,500	4,600	7,600	
720111	GROUP INSURANCE	5,547	7,800	4,208	6,900	6,300	6,300	
720120	401(K) CONTRIBUTION	2,758	2,700	527	2,500	2,500	2,500	
TOTALS:	PERSONNEL SERVICES	\$71,944	\$74,800	\$45,841	\$70,200	\$56,100	\$75,000	\$0
OPERATING EXPENSES:								
720212	SUPPLIES - VEHICLES	1,849	5,000	895	3,000	3,000	3,000	
720214	SUPPLIES - DEPARTMENTAL	776	1,400	518	1,200	1,400	1,400	
720310	TRAVEL AND TRAINING	55	500	0	0	500	500	
720321	TELEPHONE	3,421	3,500	1,950	3,100	3,000	3,000	
720330	UTILITIES	3,370	4,000	2,297	3,700	4,000	4,000	
720350	REPAIRS & MAINT. - BUILDING	9,448	10,000	1,311	4,000	10,000	10,000	
720351	REPAIRS & MAINT. - GROUNDS	8,537	9,000	2,069	3,000	9,000	9,000	
720352	REPAIRS & MAINT. - DAM	15,113	14,000	0	7,000	14,000	14,000	
720353	REPAIRS & MAINT. - EQUIP.	29,535	15,000	11,379	13,800	15,000	15,000	
720590	STRUCTURE IMPROVEMENTS	145,189	0	0	0	0	0	
720689	CONTRACT SERVICES - WILSON	41,685	48,000	35,079	70,000	60,000	50,000	
720691	CONTRACT SERVICES - ENG.	6,531	10,000	5,699	14,000	15,000	12,000	
720964	TRANSFER TO GENERAL	7,500	15,000	15,000	15,000	15,000	15,000	
720999	DEPRECIATION	43,313	0	0	0	0	0	
	TRANSFER TO EQUITY	0	14,800	0	0	0	0	
TOTALS:	OPERATING EXPENSES	\$316,322	\$150,200	\$76,197	\$137,800	\$149,900	\$136,900	\$0
CAPITAL OUTLAY:								
720000	CAPITAL OUTLAY	0	0	0	0	0	0	
TOTALS:	CAPITAL OUTLAY	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DEBT PAYMENT:								
720000	DEBT PAYMENT	0	0	0	0	368,000	368,000	
TOTALS:	DEBT PAYMENT	\$0	\$0	\$0	\$0	\$368,000	\$368,000	\$0
ELECTRIC DEPARTMENT TOTAL:		\$388,266	\$225,000	\$122,038	\$208,000	\$574,000	\$579,900	\$0

<u>.100 SALARIES AND WAGES</u>									
Full-time Employees	40,200	\$	40,200						\$ -
<u>.212 SUPPLIES - VEHICLE</u>									
Gas, Oil & Tires	3,000	\$	3,000					60,000	\$ 60,000
<u>.214 SUPPLIES - DEPARTMENTAL</u>									
Office Supplies	500	\$	1,400					15,000	\$ 15,000
Building Supplies	500								
Miscellaneous	400							15,000	\$ 15,000
<u>.310 TRAVEL AND TRAINING</u>									
Certifications and Conferences	500	\$	500						\$ -
<u>.321 TELEPHONE</u>									
	3,000	\$	3,000						\$ 368,000
<u>.330 UTILITIES</u>									
	4,000	\$	4,000					368,000	\$ 368,000
<u>.350 REPAIRS & MAINT. - BUILDING</u>									
Building Repairs and Maintenance	10,000	\$	10,000						
<u>.351 REPAIRS & MAINT. - GROUNDS</u>									
	9,000	\$	9,000						
<u>.352 REPAIRS & MAINT. - DAM</u>									
	14,000	\$	14,000						
<u>.353 REPAIRS & MAINT. - EQUIPMENT</u>									
	15,000	\$	15,000						

ACCOUNT NUMBER	DESCRIPTION	CURRENT YEAR BUDGET	FY 18-19 REQUEST	INC/(DEC)	%	JUSTIFICATION
720100	SALARIES & WAGES	53,100	40,200	(12,900)	-24%	
720109	FICA EXPENSE	4,100	2,500	(1,600)	-39%	
720110	RETIREMENT	7,100	4,600	(2,500)	-35%	
720111	GROUP INSURANCE	7,800	6,300	(1,500)	-19%	
720120	401(K) CONTRIBUTION	2,700	2,500	(200)	-7%	
720212	SUPPLIES - VEHICLES	5,000	3,000	(2,000)	-40%	
720214	SUPPLIES - DEPARTMENTAL	1,400	1,400	-	0%	
720310	TRAVEL AND TRAINING	500	500	-	0%	
720321	TELEPHONE	3,500	3,000	(500)	-14%	
720330	UTILITIES	4,000	4,000	-	0%	
720350	REPAIRS & MAINT. - BLDG.	10,000	10,000	-	0%	
720351	REPAIRS & MAINT. - GRNDS.	9,000	9,000	-	0%	
720352	REPAIRS & MAINT. - DAM	14,000	14,000	-	0%	
720353	REPAIRS & MAINT. - EQUIP.	15,000	15,000	-	0%	
720590	STRUCTURE IMPROVEMENT	0	0	-	#DIV/0!	
720689	CONTRACT SERVICES - WILSON	48,000	60,000	12,000	25%	
720691	CONTRACT SERVICES - ENG.	10,000	15,000	5,000	50%	
720964	TRANSFER TO GENERAL FUND	15,000	15,000			
720000	CAPITAL OUTLAY	0	0	-	0%	
720000	DEBT PAYMENT	0	368,000	368,000	0%	Projected debt service payment for repair to dam.
TOTALS		210,200	574,000	363,800	173%	

ELECTRIC CAPITAL OUTLAY

ELECTRIC CAPITAL OUTLAY			
	APPROPRIATION FY 2017-2018	ESTIMATED EXPENDITURES JUNE 30, 2018	REQUEST FY 2018-2019
PERSONNEL:			
Salaries	0	0	0
Benefits	0	0	0
Subtotal	\$0	\$0	\$0
OPERATING EXPENSES			
Maintenance and Repair	0	0	0
Departmental Expenses	0	0	0
Utilities	0	0	0
Professional Services	0	0	0
Subtotal	\$0	\$0	\$0
CAPITAL OUTLAY	126,000	358,500	5,130,000
DEBT PAYMENT	0	0	0
TOTALS	\$126,000	\$358,500	\$5,130,000



**ELECTRIC CAPITAL OUTLAY
DETAIL NOTES**

- Capital Projects allocates funding for projects found in the Town's Capital Improvement Plan including the cost of repairing the dam.

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PERSONNEL SERVICES:								
800000	SALARIES & WAGES	0	0	0	0	0	0	0
TOTALS:	PERSONNEL SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OPERATING EXPENSES:								
800000	OPERATING EXPENSES	0	0	0	0	0	0	0
TOTALS:	OPERATING EXPENSES	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CAPITAL OUTLAY:								
800000	CAPITAL OUTLAY	0	0	0	0	5,130,000	5,130,000	0
TOTALS:	CAPITAL OUTLAY	\$0	\$0	\$0	\$0	\$5,130,000	\$5,130,000	\$0
DEBT PAYMENT:								
800000	DEBT PAYMENT	0	0	0	0	0	0	0
TOTALS:	DEBT PAYMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ELECTRIC - CAPITAL PROJECTS DEPARTMENT TOTAL:		\$0	\$0	\$0	\$0	\$5,130,000	\$5,130,000	\$0

<u>HYDROELECTRIC DAM REPAIR</u>	5,000,000	\$ 5,000,000	Construction Debt/Financing
<u>HEAD GATE HOIST REPLACEMENT</u>	40,000	\$ 40,000	Equipment Current Revenue
<u>PENSTOCK REPAIRS</u>	30,000	\$ 30,000	Equipment Current Revenue
<u>RELOCATION OF PROPANE TANK</u>	25,000	\$ 25,000	Equipment Current Revenue
<u>BUTTERFLY VALVES AUTOMATION</u>	25,000	\$ 25,000	Equipment Current Revenue
<u>DREDGE TAILRACE</u>	10,000	\$ 10,000	Planning/Design/Engineering Current Revenue
<u>TOTAL CAPITAL PROJECTS</u>		<u>\$ 5,130,000</u>	