



BOZRAH LIGHT AND POWER  
COMPANY

APPROVED  
JULY 24, 2019

OPERATING AND CAPITAL  
BUDGETS  
2019/2020

# Bozrah Light and Power Company

## 2019/2020 Budget

July 24, 2019

The fiscal year 2019-2020 proposed budget for BL&P is presented with a pro-forma with FY 2017 and 2018 actuals, projected 2019, and proposed 2020; and includes the debt service requirements related to the Stockhouse Road Substation Upgrade, PTF projects, 2016 Capital Project Bond Fund and a new proposed capital financing plan.

### **Revenue Development**

Revenues were developed using actual values for the 12 months ended March 2019 applying rates in effective April 1, 2019 and April 1, 2020. Since power costs were trued up to forecasted actuals there is no Purchased Power Adjustment.

Proposed budget electric revenues before interruptible pass-through is 5.7% more than the FY 2019 Budget. The increase is the result of the rate changes and a 3.1% increase in usage across all classes from 45.0M KWH to 46.4M KWH.

### **Power Costs**

The base purchased power cost included in the customer's retail rate is \$102.61/mWh. This is based on the CMEEC five-year power cost forecast offset by anticipated CMEEC Margin returns. In addition, in May 2019 CMEEC issued excess equity to Members, BL&P share of \$347k was deposited into the BL&P's operating account. By the end of FY 2019 the BL&P balance in the CMEEC RSF is estimated to be \$1.4 million which may be leveraged to manage changes in power costs for the residual customers.

### **Other Operating & Maintenance Expenses**

All Operations personnel report to the Groton Operations complex for dispatch to projects in Groton and/or BL&P service areas. In addition, all vehicles are now based at the Groton Operation complex and are dispatched daily from that location to Groton and/or BL&P service areas. Vehicles owned by BL&P or GU will be available for use in either service area as needed. Ownership of all BL&P materials and supplies inventory stock items were transferred to GU which allowed common streamlined procedures to be followed as stock is drawn by the crews to perform jobs. Groton Utilities will still maintain physical inventory at BL&P's warehouse.

Expenses were developed using historical information adjusted for known changes.

Wages and salaries have been increased as required under union contract. Since all line operations personal are employees of Groton Utilities and costs are allocated to Bozrah Light and Power, the Groton Utilities budget reflects the relevant charges to BL&P for a full 4-linemen crew and a crew chief. Also, additional linemen time and other substation and metering personnel required to carry out operation and maintenance of the BL&P systems have been allocated to BL&P and are also reflected in the Groton Utilities budget.

Operating & maintenance (O&M) expenses in the 2020 budget are 13.5% more than the 2019 O&M expense budget.

OTHER OPERATION & MAINTENANCE EXPENSE		Approved FYE 2019 Budget	Proposed FYE 2020 Budget	Variance 2019 Budget vs. 2020 Budget	
Electric Operations BL&P & GU	Payroll	434,904	519,390	84,486	19.4%
Customer Care	Payroll	120,200	98,315	(21,885)	-18.2%
Admin & General	Payroll	100,940	86,149	(14,791)	-14.7%
	Subtotal	\$ 656,044	\$ 703,854	47,810	7.3%
Electric Operations	Other	657,405	732,292	74,887	11.4%
Customer Care	Other	167,100	227,364	60,264	36.1%
Admin & General	Other	304,685	363,408	58,723	19.3%
	Subtotal	\$ 1,129,190	\$ 1,323,064	193,874	17.2%
Total Other Operating & Maintenance Expense		\$ 1,785,234	\$ 2,026,918	241,685	13.5%

The main drivers for the 13.5% increase are as follows:

- Allocation of operations labor of 29% to capital projects and 71% to maintenance/expense projects. This is a slight difference in contrast to FY 2019, which allocated 36% to capital projects and 64% to maintenance/expense projects and is mainly why the electric operations payroll expense budgeted for FY 2019 is increased by \$84k.
- GU Project Management will again allocate \$66k of staff time to BL&P associated with maintenance of records related to the BL&P Franchise Area and \$15k of staff time to perform NERC/Cyber Security obligations for BL&P.
- Substation O&M expenses of \$200,000 remained the same as the FY 2019 budget and continue to be significantly burdensome due to ongoing NERC compliance requirements.
- Contract tree trimming costs are again budgeted for two crews at a total cost of \$398k an increase of \$39k over the FY 2019 budget. This will allow the continuation of a more accelerated level of outage prevention maintenance. Contract tree trimming accounts more than 50% of the other electric operation expenses of \$732k.
- A majority of the Customer Care functions have been transitioned to the Groton Utilities Customer Care office resulting in a net increase of approximately \$38K to the Customer Care line items.
- The net increase of \$44k in the Administration and General expenses accounts was mainly the result in increases to employee benefits of which health insurance was the biggest contributor.

### **Capital Projects**

A six (6) year capital project plan totaling \$4.7 million has been proposed by operations management. This capital project plan includes normal purchases of transformers, and equipment and computer enhancements needed to provide services to the existing customer base and potential new customers, as well as specific identified system upgrades required to replace aging infrastructure. It is proposed that this capital project program be funded by a combination of annual depreciation and borrowing of approximately \$3 million. The borrowing will either be a loan from the Groton Utilities' Member Trust Fund at CMEEC or a loan to the City of Groton for General Obligation Bonds issued on behalf of BLP. If the Member Trust Fund at CMEEC was to be used, it would bear a 5% interest rate and be amortized over twenty (20) years with the principal payment deposited directly back to the Trust Fund and the interest retained by GU's Electric Division as additional revenue.

Capital projects slated for completion during FY 2020 are expected to be approximately \$1.3 million. Projects include funding for normal purchases of transformers, stock and equipment, and computer enhancements needed to provide services to the existing customer base and potential new customers, which will be funded from FY 2020 cash flow referred to as Mass Assets.

The largest capital projects are the completion of the South Road/Salem Turnpike Three Phase 15kV upgrade which will be spread over FY 2020 and 2021, NERC required infrastructure improvements at the Stockhouse Road Substation and replacement of old style reclosures and capacitor banks. In addition, there are several projects related to the supervisory control and data acquisition (SCADA) system and other operations software requirements, some of which are CONVEX requirements.

### **Cash Flow**

Net cash flow provided by fiscal year 2019 - 2020 including the capital project financing results in an increase of \$398k, which when combined with the beginning cash balance of \$1.47m, projects a FY 2020 year end unrestricted ending cash balance of \$1.87m. This is \$100k over the COSS projected balance of \$1.77m and \$530k below the COSS recommended minimum balance of \$2.4m.

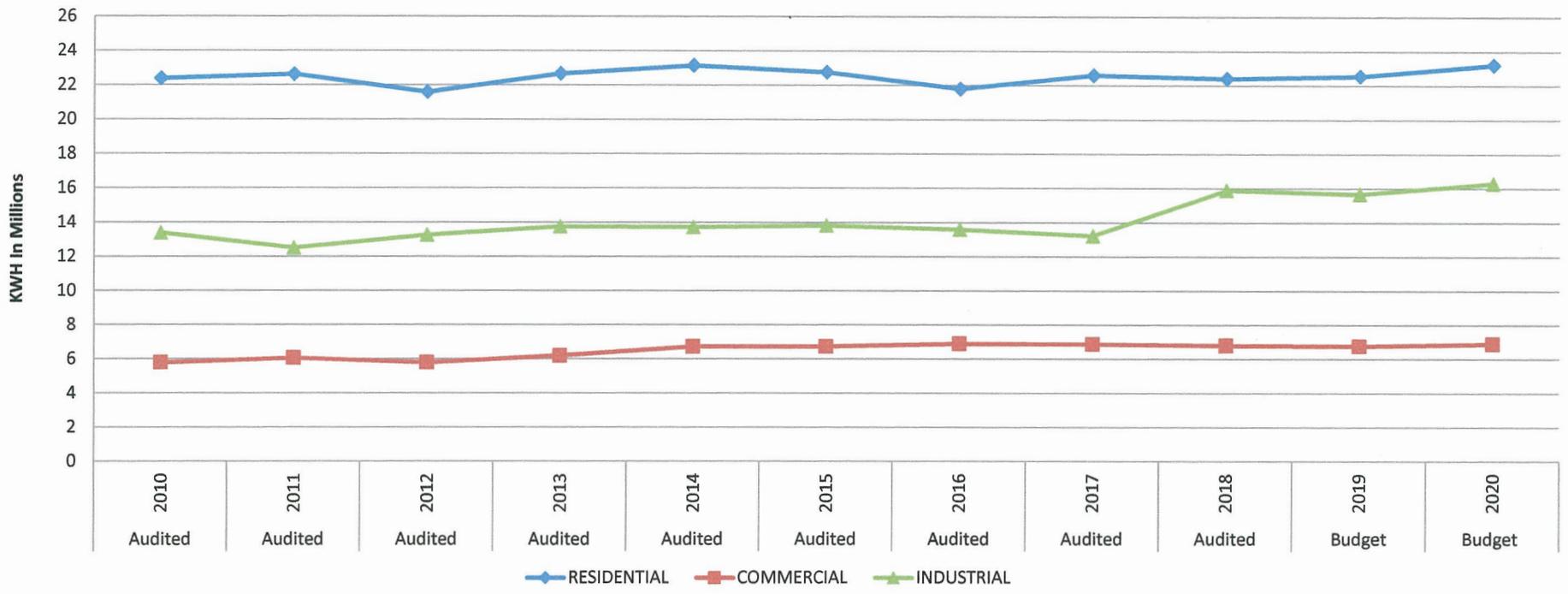
### **Rate Comparison**

The BL&P average residential customer utility bills for 700 kWh, including the \$.0025 CLM, currently average almost 11%, (\$17), below the Benchmark's current rates.

### **The proposed budget for FY 2020 will position BL&P to:**

1. Continue to provide highly reliable and responsive service that the customers expect and at rates that are fair, competitive and viewed as providing value to the customer.
2. Allow for the efficient operation and maintenance of the electric distribution system
3. Continue to be compliant with NERC and other cyber security requirements.
4. Allow approval of a new financing plan for capital projects that will enable BL&P to meet debt service requirements and fund growing infrastructure and technology needs.

### BOZRAH LIGHT & POWER



**BOZRAH LIGHT & POWER  
REVENUES**

	FY 2017 Actual	FY 2018 Actual	Approved FY2019 Budget	Projected FY 2019 10 mo Actual 2 mo Budget	Proposed FY 2019-2020 Budget	Variance 2019 to 2020 Budgets		Variance 2019 Projected Actual vs. 2020 Budget	
						\$	%	\$	%
REVENUE:									
RESIDENTIAL	\$ 3,685,948	\$ 3,918,718	\$ 4,088,794	\$ 4,176,064	\$ 4,308,145	\$ 239,351	5.9%	\$ 133,081	3.2%
COMMERCIAL Small General	1,210,543	1,295,326	1,325,887	1,332,442	1,393,506	67,639	5.1%	61,064	4.6%
INDUSTRIAL Large General	1,828,687	2,342,192	2,349,311	2,403,614	2,521,973	172,662	7.3%	118,358	4.9%
SPECIAL CONTRACT DISTRIBUTION CHARGE	542,193	542,193	542,193	542,193	542,193	-	0.0%	(0)	0.0%
STREET LIGHTING	33,535	27,813	32,900	29,985	28,728	(4,172)	-12.7%	(1,256)	-4.2%
SUBTOTAL	\$ 7,298,908	\$ 8,126,042	\$ 8,319,065	\$ 8,483,298	\$ 8,794,545	\$ 475,480	5.7%	\$ 311,247	3.7%
INTERRUPTIBLE PASS-THROUGH	8,080,229	9,459,693	9,144,592	11,861,959	11,733,508	2,588,916	28.3%	(148,451)	-1.2%
TOTAL ELECTRIC REVENUE	\$ 15,359,135	\$ 17,585,735	\$ 17,463,657	\$ 20,365,256	\$ 20,528,053	\$ 3,064,396	17.5%	\$ 162,796	0.8%
OTHER ELECTRIC REVENUE	43,220	43,216	43,380	42,165	42,483	(897)	-2.1%	318	0.8%
TOTAL REVENUE	\$ 15,402,355	\$ 17,628,951	\$ 17,507,037	\$ 20,407,421	\$ 20,570,536	\$ 3,063,499	17.5%	\$ 163,115	0.8%
CLM Revenues	108,981	113,362	112,709	114,608	116,449	3,740	3.3%	1,842	1.6%

**REVENUE ASSUMPTIONS**

- Electric Revenues for Proposed Budget FY 2019-2020 were based on 12 months actual consumption ended 03/31/2019. Revenues reflect April 2019 & April 2020 rates.
- Since power costs were trueed up to actual in the rates effective April 1, 2018 there is no PPA at this time

**BOZRAH LIGHT & POWER  
FINANCIAL SUMMARY  
BUDGET COMPARISON**

	FY 2017 Actual Audited	FY 2018 Actual Audited	FY2019 Budget	Projected FY 2019 10 Mos Actual 2 month budget	Proposed FY 2019-2020 Budget	Variance 2019 to 2020 Budgets		Variance 2019 Projected Actual vs 2020 Proposed Budget	
						\$	%	\$	%
TOTAL REVENUE	\$ 15,402,355	\$ 17,628,951	\$ 17,507,037	\$ 20,407,421	\$ 20,570,536	\$ 3,063,499	17.5%	\$ 163,115	0.01
EXPENSES:									
PURCHASED POWER FIRM	4,587,012	5,362,110	5,469,901	5,603,895	5,123,928	(345,973)	-6.3%	(479,967)	-9%
PURCHASED POWER INTERRUPTIBLE	8,060,229	9,459,693	9,144,592	11,881,959	11,733,508	2,588,916	28.3%	(148,450)	-1%
OTHER OPERATING & MAINTENANCE EXPENSE	1,558,015	1,508,699	1,785,234	1,886,151	2,026,918	241,684	13.5%	140,766	7%
CONSERVATION & LOAD MANAGEMENT	108,984	116,819	111,510	114,442	116,450	4,940	4.4%	2,008	2%
DEPRECIATION	579,804	603,472	605,426	634,989	677,579	72,153	11.9%	42,689	7%
TAXES	171,927	178,163	184,717	201,738	202,454	17,737	9.6%	719	0%
PAYMENT IN LIEU OF TAXES (PILOT)	4,357	40,082	40,049	40,060	40,080	11	0.0%	-	0%
TOTAL OPERATING EXPENSES	\$ 15,088,328	\$ 17,269,018	\$ 17,341,428	\$ 20,363,132	\$ 19,920,897	\$ 2,579,469	14.9%	\$ (442,235)	-2%
OPERATING INCOME	\$ 334,027	\$ 359,933	\$ 165,609	\$ 44,289	\$ 649,639	\$ 484,030	292.3%	\$ 605,350	1367%
INTEREST & OTHER CHARGES									
OTHER INCOME & EXPENSE	20,101	61,059	66,784	(295,285)	77,023	10,239	15.3%	372,307	-128%
SUBSTATION LONG TERM DEBT INTEREST	32,129	29,899	44,756	36,346	46,555	1,799	4.0%	10,209	28%
TOTAL OTHER	\$ 52,230	\$ 90,959	\$ 111,540	\$ (258,939)	\$ 123,578	\$ 12,038	10.8%	\$ 382,517	-148%
NET INCOME BEFORE RETURN TO GROTON	\$ 261,797	\$ 268,974	\$ 54,070	\$ 303,228	\$ 526,061	\$ 471,992	872.9%	\$ 222,834	73%
Return to Groton	\$ 373,217	\$ 373,217	\$ 373,217	\$ 373,217	\$ 373,217	\$ -	0.0%	\$ -	0%
YTD Profit/Loss	\$ (91,420)	\$ (104,243)	\$ (319,147)	\$ (69,989)	\$ 152,845	\$ 471,992	-147.9%	\$ 222,834	-318%

## BOZRAH LIGHT AND POWER

### PROJECTED CASH FLOW BASED ON PROPOSED BUDGET 2019/2020

	FY 2017 Actual	FY 2018 Actual	Approved FY2019 Budget	Projected FY 2019 10 Mos. Actual & 2 mo. Budget	Proposed FY 2019-2020 Budget
NET BEFORE RETURN TO GROTON	\$ 281,797	\$ 288,974	\$ 54,070	\$ 303,228	\$ 526,061
PLUS:					
New Financing (Based on proposed capital projects)			859,704		1,246,908
Proceeds from Bonds	375,000	159,000			
Receipt from Transfer of Material Inventory to GU	-	156,506			
Receipt of RGGI Funds for Street Light Conversion	-	65,400			
Receipt from Excess Vehicle Replacement Funds	216,129			0	
Working Capital	4,318	296,217			
DEPRECIATION	579,804	616,023	605,426	634,889	677,579
<b>TOTAL FUNDS GENERATED</b>	<b>\$ 1,457,048</b>	<b>\$ 1,562,121</b>	<b>\$ 1,519,200</b>	<b>\$ 938,117</b>	<b>\$ 2,450,548</b>
Return to Groton	373,217	373,217	373,217	373,217	373,217
CAPITAL PROJECTS	950,400	800,000	1,019,312	650,000	1,328,524
LTD Principal on SS Upgrade	200,400	200,400	200,400	200,400	200,400
Bonds 2016 principal		64,800	64,000	64,000	64,375
New Financing principal			30,000	-	31,200
Purchase Bucket Truck	216,129	-	-	-	-
Vehicle Replacement Reserve	76,008	5,000	5,000	5,000	5,000
Working Capital			50,000		50,000
<b>TOTAL FUNDS REQUIRED</b>	<b>\$ 1,816,154</b>	<b>\$ 1,443,417</b>	<b>\$ 1,741,929</b>	<b>\$ 1,292,617</b>	<b>\$ 2,052,716</b>
<b>NET INCREASE(DECREASE) IN CASH FROM OPERATIONS</b>	<b>\$ (359,106)</b>	<b>\$ 118,704</b>	<b>\$ (222,729)</b>	<b>\$ (354,500)</b>	<b>\$ 397,832</b>
Plus Total Beginning Cash Balance	\$ 2,082,840	\$ 1,703,534	\$ 1,822,238	\$ 1,822,238	\$ 1,467,738
Total Ending Cash Balance	\$ 1,703,534	\$ 1,822,238	\$ 1,599,509	\$ 1,467,738	\$ 1,865,571
Less Funds Received for LED Conversion		\$ 65,400			
Less Restricted Funds (Bond Fund, Vehicle & Debt Service)	\$ 205,242	\$ 295,840	\$ 169,971	\$ 230,371	\$ 235,371
<b>NET UNRESTRICTED CASH</b>	<b>\$ 1,498,292</b>	<b>\$ 1,460,999</b>	<b>\$ 1,429,538</b>	<b>\$ 1,237,367</b>	<b>\$ 1,630,199</b>

BOZRAH LIGHT AND POWER  
COMPANY

2019/2020 BUDGET

PROFORMA ANALYSIS

**BOZRAH LIGHT & POWER COMPANY**  
**PROFORMA ANALYSIS**

	FY 2017 Actual	FY 2018 Actual	Approved FY2019 Budget	Projected FY 2019 Unaudited	Proposed FY 2019-2020 Budget
RESIDENTIAL	\$ 3,685,948	\$ 3,918,718	\$ 4,068,794	\$ 4,175,064	\$ 4,308,145
COMMERCIAL Small General	1,210,543	1,295,326	1,325,867	1,332,442	1,393,506
INDUSTRIAL Large General	1,826,687	2,342,192	2,349,311	2,403,614	2,521,973
SPECIAL CONTRACT DISTRIBUTION CHARGE	542,193	542,193	542,193	542,193	542,193
STREET LIGHTING	33,535	27,613	32,900	29,985	28,728
<b>SUBTOTAL</b>	<b>7,298,906</b>	<b>8,126,042</b>	<b>8,319,065</b>	<b>8,483,298</b>	<b>8,794,545</b>
INTERRUPTIBLE PASS-THROUGH	8,060,229	9,459,693	9,144,592	11,881,959	11,733,508
<b>TOTAL ELECTRIC REVENUE</b>	<b>15,359,135</b>	<b>17,585,735</b>	<b>17,463,657</b>	<b>20,365,256</b>	<b>20,528,053</b>
OTHER ELECTRIC REVENUE	43,220	43,216	43,380	42,165	42,483
<b>TOTAL REVENUE</b>	<b>\$ 15,402,355</b>	<b>\$ 17,628,951</b>	<b>\$ 17,507,037</b>	<b>\$ 20,407,421</b>	<b>\$ 20,570,536</b>
<b>EXPENSES:</b>					
PURCHASED POWER FIRM	4,587,012	5,362,110	5,469,901	5,603,895	5,123,928
PURCHASED POWER INTERRUPTIBLE	8,060,229	9,459,693	9,144,592	11,881,959	11,733,508
OTHER OPERATING & MAINTENANCE EXPENSE	1,558,015	1,508,699	1,785,234	1,886,151	2,026,918
CONSERVATION & LOAD MANAGEMENT	106,984	116,819	111,510	114,442	116,450
DEPRECIATION (including additions)	579,804	603,472	605,426	634,889	677,579
TAXES	171,927	178,163	184,717	201,736	202,454
PAYMENT IN LIEU OF TAXES (PILOT)	4,357	40,062	40,049	40,060	40,060
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 15,068,328</b>	<b>\$ 17,269,018</b>	<b>\$ 17,341,428</b>	<b>\$ 20,363,132</b>	<b>\$ 19,920,897</b>
<b>OPERATING INCOME</b>	<b>\$ 334,027</b>	<b>\$ 359,933</b>	<b>\$ 165,609</b>	<b>\$ 44,289</b>	<b>\$ 649,639</b>
INTEREST & OTHER CHARGES					
OTHER INCOME & EXPENSE	20,101	61,059	66,784	(295,285)	77,023
SUBSTATION LONG TERM DEBT INTEREST	32,129	29,899	44,756	36,346	46,555
<b>TOTAL OTHER</b>	<b>\$ 52,230</b>	<b>\$ 90,959</b>	<b>\$ 111,540</b>	<b>\$ (258,939)</b>	<b>\$ 123,578</b>
<b>NET INCOME BEFORE RETURN TO GROTON</b>	<b>\$ 281,797</b>	<b>\$ 268,974</b>	<b>\$ 54,070</b>	<b>\$ 303,228</b>	<b>\$ 526,061</b>
<b>New Financing (Based on proposed capital projects)</b>			859,704	-	1,246,908
Capital Project Financing 2016 Bans	375,000	159,000	-	-	-
Receipt from transfer of inventory to GU	-	156,506	-	-	-
Receipt of RGGI Funds for Street Light Conversion	-	65,400	-	-	-
Vehicle Replacement Funds	216,129	-	-	-	-
Working Capital	4,318	296,217	-	-	-
DEPRECIATION	579,804	616,023	605,426	634,889	677,579
<b>Total Funds Generated</b>	<b>\$ 1,457,048</b>	<b>\$ 1,562,121</b>	<b>\$ 1,519,200</b>	<b>\$ 938,117</b>	<b>\$ 2,450,548</b>
<b>LESS:</b>					
Return to Groton	373,217	373,217	373,217	373,217	373,217
CAPITAL ASSETS	950,400	800,000	1,019,312	650,000	1,328,524
LTD Principal 2016 Bonding	-	64,800	64,000	64,000	64,375
LTD Principal on SS Upgrade	200,400	200,400	200,400	200,400	200,400
Financing 2018 principal	-	-	30,000	-	31,200
Purchase Hybrid Bucket Truck	216,129	-	-	-	0
Vehicle Replacement Reserve	76,008	5,000	5,000	5,000	5,000
Working Capital	-	-	50,000	-	50,000
<b>Total Funds Required</b>	<b>\$ 1,816,154</b>	<b>\$ 1,443,417</b>	<b>\$ 1,741,929</b>	<b>\$ 1,292,617</b>	<b>\$ 2,052,716</b>
<b>Net Increase(Decrease) in Cash from Operations</b>	<b>\$ (359,106)</b>	<b>\$ 118,704</b>	<b>\$ (222,729)</b>	<b>\$ (354,500)</b>	<b>\$ 397,832</b>
Plus Total Beginning Cash Balance	\$ 2,062,640	\$ 1,703,534	\$ 1,822,238	\$ 1,822,238	\$ 1,467,738
<b>Total Ending Cash Balance</b>	<b>\$ 1,703,534</b>	<b>\$ 1,822,238</b>	<b>\$ 1,599,509</b>	<b>\$ 1,467,738</b>	<b>\$ 1,865,571</b>
Less Funds Received form LED Conversion		65,400			
Less Restricted Funds ( Vehicle & Debt Service)	205,242	295,840	169,971	230,371	235,371
<b>Total Unrestricted Cash Balance</b>	<b>\$ 1,498,292</b>	<b>\$ 1,460,999</b>	<b>\$ 1,429,538</b>	<b>\$ 1,237,367</b>	<b>\$ 1,630,199</b>

BOZRAH LIGHT AND POWER  
COMPANY

2019/2020 BUDGET

CAPITAL PROJECTS

**BOZRAH LIGHT & POWER  
PROPOSED CAPITAL PROJECTS THROUGH FY 2025**

DESCRIPTION	LOCATION	ESTIMATE COMPLETION			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTALS
			Labor	Other							
THREE PHASE 15 kV UPGRADE	SOUTH RD. Salem Turnpike BOZRAH	\$ 682,141 20 WEEKS	Labor	\$ 144,621	\$ 225,940						\$ 370,561
			Other	\$ 168,058	\$ 142,922						\$ 311,580
			TOTAL	\$ 313,279	\$ 368,862						\$ 682,141
RECLOSERS 15 kV CAPACITOR BANKS		\$ 180,138 4 WEEKS	Labor	\$ 48,043							\$ 48,043
			Other	\$ 132,095							\$ 132,095
			TOTAL	\$ 180,138							\$ 180,138
STOCKHOUSE RD. S/S HIGH-SPEED TRANSFER TRIP	PTF	3 WEEKS \$ 216,500	Labor	\$ 22,139							\$ 22,139
			Other	\$ 194,381							\$ 194,381
			TOTAL	\$ 216,500							\$ 216,500
THREE PHASE 15 kV UPGRADE	SCOTT HILL RD. LEBANON	5 WEEKS	Labor	\$ 63,109							\$ 63,109
			Other	\$ 66,460							\$ 66,460
			TOTAL	\$ 129,569							\$ 129,569
TRIMBLE SOFTWARE		\$ 32,866	Labor	\$ -							\$ -
			Other	\$ 32,866							\$ 32,866
			TOTAL	\$ 32,866							\$ 32,866
DIRECT CONNECT CONVEX	PTF	\$ 10,000	Labor	\$ -							\$ -
			Other	\$ 10,000							\$ 10,000
			TOTAL	\$ 10,000							\$ 10,000
SCADA SOFTWARE	Listed as Dist FY19 and PTF FY20; Need to verify	\$ 11,500	Labor	\$ -							\$ -
			Other	\$ 11,500							\$ 11,500
			TOTAL	\$ 11,500							\$ 11,500
SCADA PRISM SOFTWARE AND HARDWARE	PTF Financed		Labor	\$ -							\$ -
			Other	\$ 75,000							\$ 75,000
			TOTAL	\$ 75,000							\$ 75,000
SERVICE BLD YARD UPGRADES		62,500.00	Labor	\$ -							\$ -
			Other	\$ 62,500							\$ 62,500
			TOTAL	\$ 62,500							\$ 62,500
THREE PHASE 15 kV UPGRADE	3-PHASE CAMPMOOWEEN RD LEBANON	12 WEEKS	Labor			\$ 250,164					\$ 250,164
			Other			\$ 195,601					\$ 195,601
			TOTAL			\$ 445,765					\$ 445,765
THREE PHASE 15kV UPGRADE	4TH CIRCUIT STOCKHOUSE RD. BOZRAH	14 WEEKS	Labor				\$ 458,902				\$ 458,902
			Other				\$ 278,420				\$ 278,420
			TOTAL				\$ 737,322				\$ 737,322
SINGLE PHASE 15 kV UPGRADE	RED CEDAR LAKE LEBANON	\$ 250,432 5 WEEKS	Labor					\$ 165,621			\$ 165,621
			Other					\$ 84,811			\$ 84,811
			TOTAL					\$ 250,432			\$ 250,432
TRANSFORMERS	VARIOUS LOCATIONS		Labor	\$ 47,441	\$ 48,884	\$ 50,330	\$ 51,840	\$ 53,395	\$ 54,997	\$ 54,997	\$ 308,868
			Other	\$ 67,845	\$ 69,880	\$ 71,977	\$ 74,136	\$ 76,360	\$ 78,651	\$ 78,651	\$ 438,849
			TOTAL	\$ 115,286	\$ 118,745	\$ 122,307	\$ 125,976	\$ 129,755	\$ 133,648	\$ 133,648	\$ 746,717
POLE REPLACEMENTS	VARIOUS LOCATIONS		Labor	\$ 32,531	\$ 33,507	\$ 34,512	\$ 35,548	\$ 36,614	\$ 37,712	\$ 37,712	\$ 210,424
			Other	\$ 49,824	\$ 51,319	\$ 52,858	\$ 54,444	\$ 56,077	\$ 57,760	\$ 57,760	\$ 322,282
			TOTAL	\$ 82,355	\$ 84,826	\$ 87,370	\$ 89,992	\$ 92,691	\$ 95,472	\$ 95,472	\$ 532,706
NEW CUSTOMER ADDITIONS	SYSTEM WIDE		Labor	\$ 15,649	\$ 16,118	\$ 16,602	\$ 17,100	\$ 17,613	\$ 18,141	\$ 18,141	\$ 101,224
			Other	\$ 53,882	\$ 55,498	\$ 57,163	\$ 58,878	\$ 60,645	\$ 62,464	\$ 62,464	\$ 348,531
			TOTAL	\$ 69,531	\$ 71,617	\$ 73,765	\$ 75,978	\$ 78,258	\$ 80,605	\$ 80,605	\$ 449,755

**BOZRAH LIGHT & POWER  
PROPOSED CAPITAL PROJECTS THROUGH FY 2025**

DESCRIPTION	LOCATION	ESTIMATE COMPLETION			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTALS
			Labor	Other							
COMPUTER ENHANCEMENTS		\$ 20,000	\$ -	\$ 20,000			\$ -		\$ -		\$ -
			\$ -				\$ 32,500		\$ 35,000		\$ 87,500
			\$ 20,000				\$ 32,500		\$ 35,000		\$ 87,500
GIS - UTG Software Costs			\$ -								\$ -
				10,000							\$ 10,000
			\$ 10,000								\$ 10,000
			\$ 373,833	\$ 324,430	\$ 351,608	\$ 563,390	\$ 273,243	\$ 110,861	\$ 1,997,056		
			\$ 964,991	\$ 319,620	\$ 410,098	\$ 466,878	\$ 312,893	\$ 198,876	\$ 2,662,366		
			\$ 1,328,824	\$ 644,049	\$ 761,706	\$ 1,029,268	\$ 586,136	\$ 309,726	\$ 4,659,411		

### GU, BL&P, Benchmark Residential Bills (various kWh usage levels)



GU Proposed @700 kwh is 29% less than Benchmark on 4-1-19  
 BL&P Proposed @ 700 kWh is 16% less than Benchmark on 4-1-19

**kWh Usage**