

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
LED-2 Rate Calculation**

	\$\$ Per MW	\$\$ Per kW	Total Coincident Peak - Rate M	Per kWh Rate 50%	\$\$ Per Watt	Per Watt Rate
	(a)	(b)	(c)	(d)	(e)	(f)
1 Primary Cost per MW	76,024	76.024	2,669	\$ 0.02848	0.076024	\$ 0.03801
2 Secondary Cost per MW	34,916	34.916	2,669	\$ 0.01308	0.034916	\$ 0.01746
3 Total			5,338	\$ 0.04157		\$ 0.05547

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- (b) Column (a) / 1000
- (c) Coincident peak of Rate M in Docket No. DE 19-062 Bates page 45
- (d) Column (b) / (c)
- (e) Column (b) / 1000
- (f) Column (e) x .50

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
Electric Vehicle Meter
Computation of Revenue Requirement**

1	Total Investment		\$446	
2				
3	<u>Deferred Tax Calculation</u>			
4	Book Depreciation Rate		5.00%	
5	Federal Tax Depreciation Rate		3.75%	
6	FEDERAL Vintage Year Tax Depreciation:			
7		CY 2020 Spend	\$17	
8	Annual Tax Depreciation		\$17	
9	Cumulative Tax Depreciation		\$17	
10				
11	STATE Vintage Year Tax Depreciation:			
12		CY 2020 Spend	\$17	
13	Annual Tax Depreciation		\$17	
14	Cumulative Tax Depreciation		\$17	
15				
16	Book Depreciation		\$22	
17	Cumulative Book Depreciation		\$22	
18				
19	Book/Tax Timer (Federal)		(\$6)	
20	less: Deferred Tax Reserve (State)		(\$0)	
21	Net Book/Tax Timer (Federal)		(\$5)	
22	Effective Tax Rate (Federal)		21.00%	
23	Deferred Tax Reserve (Federal)		(\$1)	
24	Book/Tax Timer (State)		(\$6)	
25	Effective Tax Rate (State)		7.70%	
26	Deferred Tax Reserve (State)		(\$0)	
27	TOTAL Deferred Tax Reserve		(\$2)	
28				
29	<u>Rate Base Calculation</u>			
30	Plant In Service		\$446	
31	Accumulated Book Depreciation		(\$22)	
32	Deferred Tax Reserve		\$2	
33	Year End Rate Base		\$425	
34				
35	<u>Revenue Requirement Calculation</u>			
36	Year End Rate Base		\$425	
37	Pre-Tax ROR		10.23%	
38	Return and Taxes		\$43	
39	Book Depreciation		\$22	
40	Property Taxes	3.23%	\$14	
41	Annual Revenue Requirement		\$79	
42				
43	Adjusted Annual Revenue Requirement		\$79	
44	Monthly Charge		\$ 6.62	
45				
46	<u>Imputed Capital Structure (e)</u>			
47		Ratio	Rate	Weighted Rate Pre Tax
48	Long Term Debt	45.00%	5.97%	2.69%
49	Common Equity	55.00%	10.00%	5.50%
50				7.54%
51		100.00%		8.19%
				10.23%

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
Electric Vehicle Meter
Computation of Revenue Requirement

Line Extension Cost Calculation

<u>Year</u>	<u>Costs</u>	<u>Footage</u>	<u>Cost per Foot</u>
2017	\$ 550,399	12,689	\$ 43.38
<u>2018</u>	<u>\$ 597,574</u>	<u>9,626</u>	<u>\$ 62.08</u>
Total	\$ 1,147,973	22,315	\$ 51.44

Total Charge Per Foot \$34.47

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