Appendix A Operational Cost/LED Savings Analysis

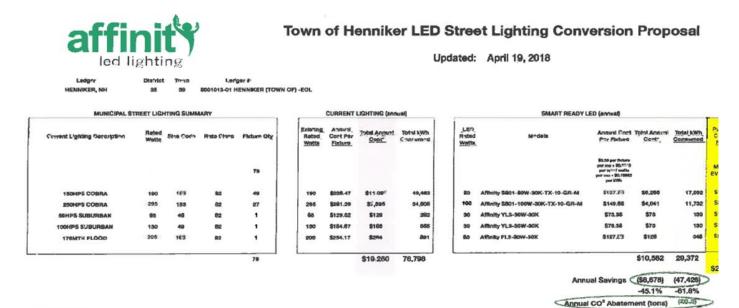


Figure 1: Affinity Operational Cost/LED Savings Analysis

Existing Lighting Description	Existing Rated Watts	Existing Size Code	Existing Rate Class	Existing Fixture Quantity		Annual Cost Per Fixture		Existing Total Annual Cost	Existing Total kWh Consumed	EVERSOURCE Recommended LED Rated Watts	EVERSOURCE Incentive Program Recommended LED Fixture	Annual Cost Per LED Fixture		Total Annual LED Cost	LED Total kWh Consumed
50HPS SUBURBAN	65	46	82	1	Ś	132.12	s	132.12	282	30	GLS GLU-AL-30-SF-30K DLC	\$ 73.38	Ś	73.38	131
100HPS SUBURBAN	130	49	82	1	\$		200	184.67	565	50	GLS GLU-AL-50-SF-30K DLC	\$ 95,20		95.20	218
175MTH FLOOD	205	166	82	1	\$	202.17	\$	202.17	891	80	GLS GLU-AL-80-SF-30K DLC	\$ 127.88	\$	127.88	348
250HPS COBRA	295	153	82	27	\$	281.29	\$	7,594.83	34,608	100	GLS GLU-AL-100-SF-30K DLC	\$ 149.68	\$	4,041.36	11,745
150HPS COBRA	190	188	82	49	\$	226.47	\$	11,097 03	40,452	80	GLS GLU-AL-80-SF-30K DLC	\$ 127.88	\$	6,266.12	17,052

Annual Savings \$ (8,606.88) (47,305)
-44.8% -61.6%

Figure 2: Green LED Energy Operational Cost/LED Savings Analysis

Number of fixtures	Current Lumens	Current Watts	LED Watts	LED Fixture Lumens	Unit Price Fixture	Install Price Fixture	Total			
RECYCL	ING CHARG				\$227.50 \$199.16 \$179.64 \$162.22 \$155.55	\$45 \$45 \$45 \$45 \$45	\$7,339.50 \$11,963.84 \$224.64 \$207.22 \$200.55 \$19,935.75 \$300.00 \$20,235.75			
PEABODY	'S ELECTRIC	C, CLAREMO	NT, NH				_			
Additional in	nformation:									
References (provide at least 3):										

Figure 3: Efficient LED Operational Cost/LED Savings Analysis

*note: Efficient LED failed to provide Operational Cost/Led Savings calculations as required in Henniker Streetlight Conversion RFP 2018-05: Scope of Work Section 1-D Project plan and expectations.