

Ledger

Town of Henniker LED Street Lighting Conversion Proposal

Updated: April 19, 2018

Ledger #:

HENNIKER, NH 39 8001013-01 HENNIKER (TOWN OF) -EOL



MUNICIPAL S	REET LIGH	ITING SUMM	ARY	
Current Lighting Description	Rated Watts	Size Code	Rate Class	Fixture Qty
				79
150HPS COBRA	190	188	82	49
250HPS COBRA	295	153	82	27
50HPS SUBURBAN	65	46	82	1
100HPS SUBURBAN	130	49	82	1
175MTH FLOOD	205	166	82	1

	CURRENT	LIGHTING (ann	ual)		
Existing Rated Watts	Annual Cost Per Fixture	Total Annual Cost*	Total kW Consume		
190	\$226.47	\$11,097	40,45		
295	\$281.29	\$7,595	34,60		
65	\$129.02	\$129	28		
130	\$184.67	\$185	56		
205	\$254.17	\$254	89		
		\$19,260	76,798		

SMART READY LED (annual)					UPGRADE PROJECT COSTS				INCENTIVE				
LED Rated Watts	Models	Annual Cost Per Fixture	Total Annual Cost*	Total kWh Consumed	Purchase Cost per Fixture	TOTAL COST	Installation Cost per Fixture			Total Purchase & Installed Cost		BE VERIFI EVERSOUI	
		\$3.39 per fixture per mo + \$0.0515 per rated watts per mo + \$0.10862 per kWh			MATERIAL EVERSOUR						Incentive / Fixture	Product Code	Total Incentive
80	Affinity S801-80W-30K-TX-10-GR-M	\$127.88	\$6,266	17,032	\$198.00	\$9,702.00	\$109.48	\$5,364.70	\$307.48	\$15,066.70	(\$100)		(\$4,900)
100	Affinity S801-100W-30K-TX-10-GR-M	\$149.68	\$4,041	11,732	\$211.00	\$5,697.00	\$109.48	\$2,956.06	\$320.48	\$8,653.06	(\$100)		(\$2,700)
30	Affinity YL3-30W-30K	\$73.38	\$73	130	\$129.00	\$129.00	\$109.48	\$109.48	\$238.48	\$238.48	(\$75)		(\$75)
30	Affinity YL3-30W-30K	\$73.38	\$73	130	\$129.00	\$129.00	\$109.48	\$109.48	\$238.48	\$238.48	(\$75)		(\$75)
80	Affinity FL2-80W-30K	\$127.88	\$128	348	\$269.00	\$269.00	\$109.48	\$109.48	\$378.48	\$378.48	(\$75)		(\$75)
			\$10,582	29,372	avg	\$15,926	avg	\$8,649	avg	\$24,575			
\$201.59 \$109.48 \$311.08													
	Annual Savings (\$8,678) (47,426)								Incentive	(\$7,825)	←		(\$7,825)
-45.1% -61.8% Net \$16							\$16,750						
	Annual CO ² Abatement (tons) (28.5) Simple Payback 1.93 ye								years				

SIMPLE PAYBACK

\$16,750 Net Investment Payback 1.93 years Annual Savings (\$8,678) (\$723)

SAVINGS, RETURN ON INVESTMENT and 10yr CAPEX IMPACT*

	Cumulative		0	Cumulative ROI		CAPEX Impact (10yr)	Cumulative Operating Hours	Cumulative CO ² Abatement (tor		
Savings		Savings	Cumulative ROI		CAPEX Profit/Loss			•		
Year	1	\$8,678	(\$8,072)	-48%	(\$1,675)	\$7,003	4,345	1	(28.5)	
Year	2	\$17,356	\$606	4%	(\$3,350)	\$14,006	8,690	2	(56.9)	
Year	3	\$26,034	\$9,284	55%	(\$5,025)	\$21,009	13,035	3	(85.4)	
Year	4	\$34,712	\$17,961	107%	(\$6,700)	\$28,012	17,380	4	(113.8)	
Year	5	\$43,390	\$26,639	159%	(\$8,375)	\$35,014	21,725	5	(142.3)	
Year	10	\$86,779	\$70,029	418%	(\$16,750)	\$70,029	43,450	10	(284.6)	
Year	15	\$130,169	\$113,418	677%			65,175	15	(426.8)	
Year	20	\$173,558	\$156,808	936%			86,900	20	(569.1)	
	'exclud	des current and future n	naintenance costs	;						