

NYSEG LED Conversion Calculator (Standard Equivalents)

	High Pressure Sodium Cobra Head Street Lights							Metal Halide Cobra Head Street Lights					Mercury Vapor Cobra Head Street Lights					Totals	
	50w HPS Cobra	70w HPS Cobra	100w HPS Cobra	150w HPS Cobra	250w HPS Cobra	400w HPS Cobra	1000w HPS Cobra*	70w MH Cobra	100w MH Cobra	175w MH Cobra	250w MH Cobra	400w MH Cobra	1000w MH Cobra*	100w MV Cobra	175w MV Cobra	250w MV Cobra	400w MV Cobra		
# of Each Wattage Light	5	21	57	12	38	3	0	0	0	1	0	0	0	23	103	7	12	0	282 Lights
Lumen	3300	5200	8500	14400	24700	45000	260000	4000	58000	12000	16000	28000	90000	3200	7000	9400	17200	48000	
Wattage	58	83	117	171	313	486	1106	95	120	210	313	486	1090	127	210	292	460	1102	
Annual kWh	1,221	7,338	28,076	8,639	50,074	6,138	-	-	-	884	-	-	-	12,297	91,062	8,605	23,239	-	237,575 kWh
Delivery @ \$ 0.02987 /kWh	\$ 36	\$ 219	\$ 839	\$ 258	\$ 1,496	\$ 183	\$ -	\$ -	\$ -	\$ 26	\$ -	\$ -	\$ -	\$ 367	\$ 2,720	\$ 257	\$ 694	\$ -	\$ 7,096 Delivery
SC-3 Monthly Chg per light	\$ 8.15	\$ 8.15	\$ 8.15	\$ 8.15	\$ 8.15	\$ 8.62	\$ -	\$ -	\$ -	\$ 4.90	\$ -	\$ -	\$ -	\$ 4.45	\$ 4.45	\$ 4.65	\$ 4.72	\$ -	
SC-3 Annual Chgs	\$ 489	\$ 2,054	\$ 5,575	\$ 1,174	\$ 3,716	\$ 310	\$ -	\$ -	\$ -	\$ 59	\$ -	\$ -	\$ -	\$ 1,228	\$ 5,500	\$ 391	\$ 680	\$ -	\$ 21,175 Annual Chg
Supply*** \$ 0.05 /kWh	\$ 60.43	\$ 363.23	\$ 1,389.79	\$ 427.63	\$ 2,478.65	\$ 303.84	\$ -	\$ -	\$ -	\$ 43.76	\$ -	\$ -	\$ -	\$ 608.72	\$ 4,507.58	\$ 425.96	\$ 1,150.34	\$ -	\$ 11,760 Supply Chg
Total Cost	\$ 585.90	\$ 2,636.22	\$ 7,803.03	\$ 1,859.27	\$ 7,690.75	\$ 797.51	\$ -	\$ -	\$ -	\$ 128.97	\$ -	\$ -	\$ -	\$ 2,204.25	\$ 12,727.81	\$ 1,073.60	\$ 2,524.18	\$ -	\$ 40,031 Total Cost
Annual Cost Per Light	\$ 117.18	\$ 125.53	\$ 136.90	\$ 154.94	\$ 202.39	\$ 265.84	\$ -	\$ -	\$ -	\$ 128.97	\$ -	\$ -	\$ -	\$ 95.84	\$ 123.57	\$ 153.37	\$ 210.35	\$ -	
LED Conversion	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	LED Conversion
# of Each Wattage Light	5	21	57	12	38	3	0	0	0	1	0	0	0	23	103	7	12	0	282 Lights
Lumen	2000	3000	4500	6700	10000	15000	260000	3000	4500	6700	10000	15000	90000	3000	4500	10000	15000	48000	
Wattage	16	25	40	60	80	122	1106	25	40	60	80	122	-	25	40	80	122	-	
Annual kWh	336.80	2,210.25	9,598.80	3,031.20	12,798.40	1,540.86	0	-	-	252.60	-	-	-	2,420.75	17,345.20	2,357.60	6,163.44	-	58,056 kWh
Delivery @ \$ 0.02987 /kWh	\$ 10	\$ 66	\$ 287	\$ 91	\$ 382	\$ 46	\$ -	\$ -	\$ -	\$ 8	\$ -	\$ -	\$ -	\$ 72	\$ 518	\$ 70	\$ 184	\$ -	\$ 1,734 Delivery
SC-3 Monthly Chg per light	\$ 3.95	\$ 3.95	\$ 3.95	\$ 4.23	\$ 5.23	\$ 5.58	\$ -	\$ -	\$ -	\$ 4.23	\$ -	\$ -	\$ -	\$ 3.95	\$ 3.95	\$ 5.23	\$ 5.58	\$ -	
SC-3 Annual Chgs	\$ 237	\$ 995	\$ 2,702	\$ 609	\$ 2,385	\$ 201	\$ -	\$ -	\$ -	\$ 51	\$ -	\$ -	\$ -	\$ 1,090	\$ 4,882	\$ 439	\$ 804	\$ -	\$ 14,395 Annual Chg
Supply *** \$ 0.05 /kWh	\$ 16.67	\$ 109.41	\$ 475.14	\$ 150.04	\$ 633.52	\$ 76.27	\$ -	\$ -	\$ -	\$ 12.50	\$ -	\$ -	\$ -	\$ 119.83	\$ 858.59	\$ 116.70	\$ 305.09	\$ -	\$ 2,874 Supply Chg
Total Cost	\$ 263.73	\$ 1,170.83	\$ 3,463.66	\$ 849.71	\$ 3,400.69	\$ 323.18	\$ -	\$ -	\$ -	\$ 70.81	\$ -	\$ -	\$ -	\$ 1,282.33	\$ 6,258.89	\$ 626.44	\$ 1,292.71	\$ -	\$ 19,003 Total Cost
Annual Cost Per Light	\$ 52.75	\$ 55.75	\$ 60.77	\$ 70.81	\$ 89.49	\$ 107.73	\$ -	\$ -	\$ -	\$ 70.81	\$ -	\$ -	\$ -	\$ 55.75	\$ 60.77	\$ 89.49	\$ 107.73	\$ -	
Annual Savings per Light	\$ 64.43	\$ 69.78	\$ 76.13	\$ 84.13	\$ 112.90	\$ 158.11	NA	\$ -	\$ -	\$ 58.16	\$ -	\$ -	NA	\$ 40.08	\$ 62.81	\$ 63.88	\$ 102.62	NA	

Unexpired Life Cost: \$ 12,987.65

Savings per year:** \$ 21,029

Unexpired Life Quote / Estimated Savings Simple Payback 0.62 Years



* No LED Equivalent Available
 ** Actual Savings may Vary based on LED choice
 *** Assumed Supply Cost