

## ROI analysis

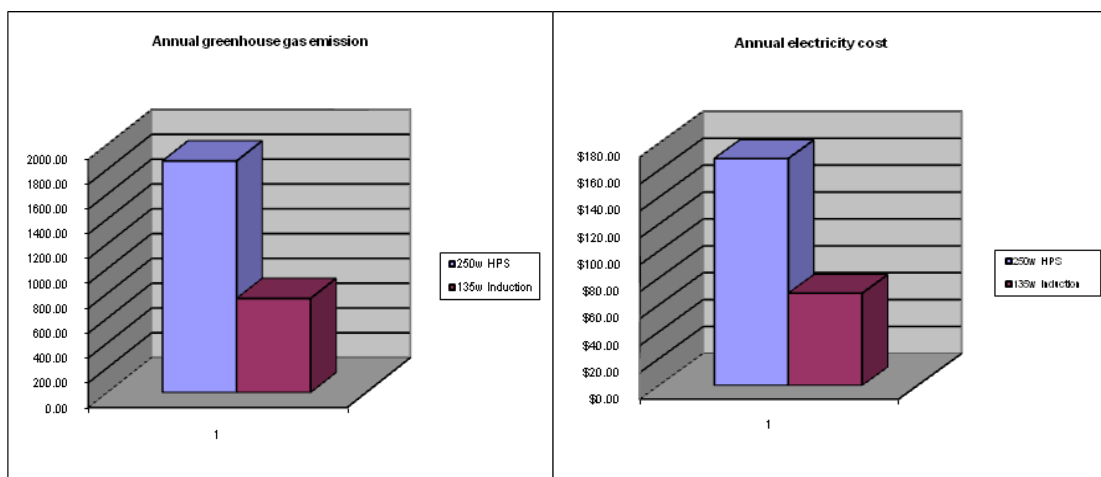
250W high pressure sodium vs. eCOWATT 135W induction street light

### Assumptions

Average street lighting	4000.00	hours per year
Electricity rate	\$0.14	per kwh
250w HPS purchase cost	\$260.00	
ecoWATT 135w LED cost	\$262.00	
HPS relamping cost	\$280.00	per light (material and labor)
Greenhouse gas emission	1.55	lb/kwh

### Electricity and environment

	250w HPS	ecoWATT 135w Induction
Power factor	0.83	0.98
Actual current draw	2.51	1.02
Annual Electricity (kwh)	1204.82	489.80
Annual electricity cost	\$168.67	\$68.57
Annual greenhouse gas emission (lb.)	1867.47	759.18
Average product life (years)	2.00	15.00





### Cost of ownership

Year	250w HPS	ecoWATT 135w Induction
1	\$428.67	\$330.57
2	\$597.35	\$399.14
3	\$1,046.02	\$467.71
4	\$1,214.70	\$536.29
5	\$1,663.37	\$604.86
6	\$1,832.05	\$673.43
7	\$2,280.72	\$742.00
8	\$2,449.40	\$810.57
9	\$2,898.07	\$879.14
10	\$3,066.75	\$947.71
11	\$3,515.42	\$1,016.29
12	\$3,684.10	\$1,084.86
13	\$4,132.77	\$1,153.43
14	\$4,301.45	\$1,222.00
15	\$4,750.12	\$1,290.57
16	\$4,918.80	\$1,359.14

