

I'm a retired electrical contractor with lighting engineering background.

I'm presently running a petition in a small neighborhood in Akron to replace city lighting at 1/10 cost/assessments to landowners. Below is statement from said petition showing that 100w high pressure fixture is same quality as 13w LED.

B) The existing 100W HPS street fixture are end of life and obsolete. The bulbs offer only 8.5k avg. lumens at 129W and ballast are pending failure [66lm/w]. Low light (scotopic) conditions, LED [5000K-8500K] provide 3X sharper vision than HPS (photopic). Couple this with a general 15% increase in luminary efficiency and raw 190lm/w allows changing fixture/battery every 12 yrs at same cost of present proposed one yr assessment, i.e. 1/12 cost.

Being proposed is solar powered LED lighting mounted on own 6cm posts\* at 8.4m height giving 30w power in summer and 10w in dead of winter. The cost with new post and fixtures is about tenth of present and in twelve years only needing to replace fixture is 1/30 cost.

I have only seen price tag and have no knowledge of project but nice post fixtures can be installed for \$300 each at 3m height or fewer area fixtures @\$500. Total lighting job between \$5&10k with no electricity cost or permits. Why 60+k?? Are u replacing all light fixtures at Central Building too??

**Something is wrong with job description and cost.** Joel Helms jhelms@nwwt.net

\*Spacing at 60m and supporting fiber optic cable to all residents.

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