

# Utilities Committee Meeting

July 2, 2024, 5:30 pm

Town Hall

Attendees: Mayor John Berry, Village Administrator Chad Beyer, Chair Martha Frantz, Committee Members Jody Donsbach and Lynn Sylvain. Also present were council members Louise Estep and Rick Tolles.

Resident attendees: Tom Huth, Peggy Seab, and Bob Stickley

Discussion began with review of letter from Toledo Edison (TE) stating the mandatory upgrade to LED lights. This is from the State of Ohio and was made law in the interest of climate change and fuel efficiency. The PUCO will be involved in the changeover as well.

Documents were sent out the previous week in preparation for meeting. Below is the information shared in table form. TE owns the lights, so they will be doing all the physical work to remove and replace bulbs. They do all the servicing as well. However, this excludes lights in the downtown area; those belong to the village.

Toledo Edison has given us a count of 100 bulbs of various wattage values and the recommended replacement bulb:

Current bulb watts	LED bulb watts	Current Lumens*	LED Lumens	Highlights and Notes
100	50	2520	4,000	Lumens refers to brightness
150	90	10,080	9,200	* values at mean after 10,000 hrs
175	no LED equal			of operation; does not account
250	130	17,640	14,700	for dirt depreciation

To pay for changing the bulbs from old to new, TE offers 3 options:

Options	Details and Terms	Cost Per Light	Total Cost	Highlights and Notes
Option #1	Replace all/Pay total up front	\$207 x 100	\$20,700	Most cost effective + uniform look
Option #2	Replace all/60 month term	\$264.60 x 100	\$26,460	\$5,760 in interest (\$4.41/mo per light)
Option #3	Replace and Pay as lights fail	\$207 per light	\$20,700	Will not look uniform until complete-no timeline

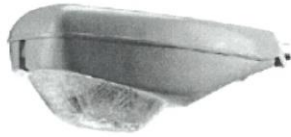
Since all the options would result in lower costs to operate, it was our job to determine which of the 3 was the best option for the village. Comparing the numbers presented, we are recommending the Village choose OPTION #1.

Below is an estimate of the cost and potential savings based on 95 lights. After we commit to OPTION #1 we come to an agreement regarding number, place, and wattage of each light.

LED Watt	Number	Cost per Month	Total Cost: Month
130	89	\$10.77	89 x \$10.77 = \$958.53
90	2	\$9.08	2 x \$9.08 = \$18.16
50	4	\$8.47	4 x \$8.47 = \$33.88
	95	\$28.32	Mth Light Cost = \$1010.57
<b>Existing</b>	<b>Number</b>	<b>Latest bill</b>	<b>Savings</b>
non LED	95	\$1,518.44	\$1518.44 - \$1010.57 = \$507.87

There is only one fixture that fits the specifications, Cobra Head:

Current



HPS COBRA HEAD WITH STANDARD REFRACTOR  
HPS / 100W (9,500 LUMENS) / 150W (16,000 LUMENS),  
250W (27,500 LUMENS) / 400W (50,000 LUMENS) / TYPE III  
FOR STEEL OR WOOD POLES WITH STEEL BRACKETS

New



LED COBRA HEAD LUMINAIRE  
LED / 50W (4,000 LUMENS) / 90W (7,000 LUMENS), /  
130W (11,500 LUMENS) / 260W (24,000 LUMENS) / TYPE III  
FOR STEEL OR WOOD POLES WITH STEEL BRACKETS

Respectfully submitted,

Martha Frantz