

SUSTAINABILITY COMMITTEE

CHAIRWOMAN CHRISTINE McINTOSH HAS CALLED A
SUSTAINABILITY COMMITTEE MEETING FOR
WEDNESDAY, SEPTEMBER 30TH, 2020 AT 6:30 PM
VIRTUAL MEETING.

AGENDA

Power a Clean Future Pledge and LED streetlight conversion discussion

Barbara Allen
CLERK OF COUNCIL

COMMITTEE: Christine McIntosh, Chair
Stephana Caviness, Rev. Brian T. Moore, Maria Jukic and Laura J. Gorshe

STAFF: Mayor Holzheimer Gail, Service Director Knecht

Guests: First Energy: Darnella T. Robertson
Power a Clean Future Coalition Partners:
Joe Florida, Executive Director
Sarah Beth Spence, Ohio Environmental Council
Karlton Laster, Ohio Environmental Council
Tristan Rader, Solar United Neighbors
Brendan Kelley, Clean Fuels Ohio
Melanie Nutter, Nutter Consulting

The Euclid City Council Sustainability Committee meeting for September 30th, 2020 at 6:30 p.m. will be held electronically. This is permissive per the Ohio legislature's passage of H.B. 197, Amendment G-0351-2.

The public shall have access by choosing any of the following options.

Live Viewing can be done on:

Spectrum, Channel 1020

U-Verse, Channel 99

ECTV LIVE (Link located on the front page of www.cityofeuclid.com)

You can also listen to the council meeting as a Zoom Webinar by calling 929-205-6099. The meeting ID is 968 8090 9675. You may also click on the Zoom Webinar link provided on the City Council page of the website to view and listen via your electronic device.

If you'd like to register to be a speaker during the public comment portion, please contact Barbara Allen at ballen@cityofeuclid.com 289-8123 by 5:30 pm on 9/30/20.

If you would like to continue to email your comments or questions, you may do so by sending them to Barbara Allen at ballen@cityofeuclid.com or fax to 289-2779.

If a question or comment comes to mind during the meeting, you may also email these to Barbara Allen no later than the beginning of the discussion of the last item on the Agenda.

Please include your name and address with all emails. If this information is not included, your email will not be read. In all cases, please remember comments and questions are limited to five (5) minutes per E.C.O. 121.18

Experimental Company- Owned LED Street Lighting Tariff Presentation

Euclid City Council Sustainability
Committee
September 30, 2020

Darnella T. Robertson
Regional External Affairs



New LED Street Lighting Tariff

■ Increasing interest in LED street lighting options

- LEDs reduce carbon footprint through greater efficiency and provide longer service life, reduced maintenance and increased light output per watt, which enhances safety and security
- New tariff is a response to increased interest from municipalities and is designed to ease the transition to LED lighting and provide flexibility
- Smart City applications

■ CEI's New LED Street Lighting Tariffs provide:

- Remaining cost of existing non-LED lights can be paid upfront or over time
- Option to replace existing non-LED lights with LEDs upon failure with no upfront cost
- Increased options for advanced functionality available in some cases, including:
 - Dimming capabilities
 - Controllers and other sensors



Highlights

- **LED advantages**
 - Longer life span
 - Greater efficiency
 - Reduced maintenance
 - Faster turn-on and turn-off
- **Transition from legacy streetlighting – High-Pressure sodium (HPS) and Mercury Vapor (MV)**
- **GE Lighting is the exclusive FE LED supplier**
- **Service by replacement only (no bulb change-out)**



Summary of options under new tariffs

Option 1*	<ul style="list-style-type: none">■ Replacement of existing HPSV/MV lights with new LED lights■ Up-front payment of remaining cost of existing non-LED lighting (\$242 per fixture)■ Monthly fixture charge includes cost of installed LED light
Option 2*	<ul style="list-style-type: none">■ Replacement of existing HPSV/MV lights with new LED lights■ Remaining cost of existing non-LED lighting paid over 60 months (\$5.16 per fixture)■ Monthly fixture charge includes cost of installed LED light
Option 3*	<ul style="list-style-type: none">■ Replacement of failed existing HPSV/MV lights with new LED lights■ Monthly fixture charge includes cost of installed LED light

*Please see full tariff details at:

<https://www.firstenergycorp.com/content/dam/customer/Customer%20Choice/Files/Ohio/tariffs/CEI-2020-Electric-Service.pdf>

Available Offerings

Light Type	Lumens	Watts	kWH per Month
Cobra Head	30	30	11
Cobra Head	50	50	18
Cobra Head	90	90	32
Cobra Head	130	130	46
Cobra Head	260	260	91
Acorn	50	50	18
Acorn	90	90	32
Colonial	50	50	18
Colonial	90	90	32

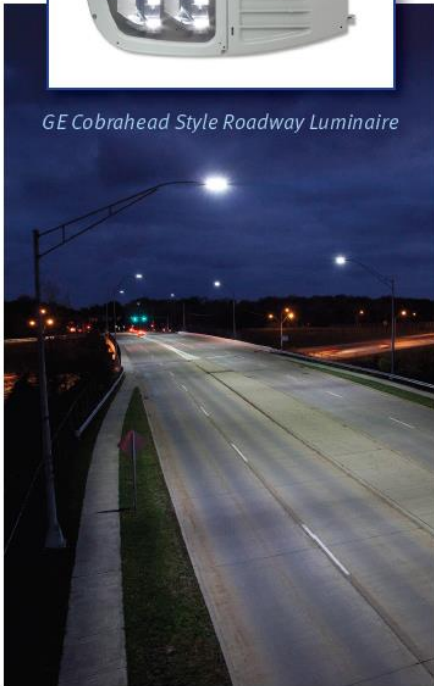
GE Recommended LED Conversion

Existing HID Fixture Wattage	Existing HID Light Source	Recommended FE LED Replacement Wattage
50	HPS	30
70	HPS	30
100	Mercury	30
100	HPS	50
175	Mercury	50
175	Metal Halide	50
150	HPS	90
250	Mercury	90
250	Metal Halide	90
200	HPS	130
250	HPS	130
400	Mercury	130
400	Metal Halide	130
400	HPS	260
February, 2020		

GE LED Streetlight Fixture Options



GE Cobrahead Style Roadway Luminaire



Above – GE Cobrahead LED streetlight (overhead pole).



Colonial Post Top

Left – a GE Colonial Post lantern – mounted on a fiberglass pole.

Right – A GE Acorn Post lantern mounted on a fiberglass pole.



Acorn Post Top

Thank You



QA