

April 2, 2022

BY EMAIL

1. **Pennsylvania Public Utility Commission**, Renardo Hicks, Chief Counsel, rehicks@pa.gov
2. **PECO**, Anthony Gay, General Counsel, anthony.gay@exeloncorp.com
3. **Izaak Walton League, Allegheny Chapter**, Mike Stout, President, president@allegheny-iwla.org
4. **Pennsylvania Environmental Council**, John Walliser, Senior Vice President, jwalliser@pecpa.org
5. **Clean Energy Center, Pennsylvania College of Technology**, Allison Diehl, Director, aad1@pct.edu
6. **Pennsylvania House of Representatives, Environmental Resources and Energy**, Greg Vitali, Democratic Chair, gvitali@pahouse.net
7. **Pennsylvania Municipal League**, John Brenner, Executive Director, jbrenner@pml.org
8. **PPL Electric**, Wendy Stark, General Counsel, wstark@pplweb.com
9. **Penn State Energy Institute**, Barbara Arnold, Professor, bja4@psu.edu
10. **Academy of Natural Sciences, Drexel University**, Scott Cooper, President, presidentsoffice@ansp.org
11. **Environmental Advisory Council**, Andrew Loza, Executive Director, aloza@weconservepa.org

Re: The LED Fraud

Dear Pennsylvania Energy Stakeholders,

Luminous Efficacy is a measure of the luminous efficiency of a light source. It is the ratio of the total luminous flux emitted to the total power input, expressed in lumens per watt. **Energy Efficiency** is providing the same quality of service using less energy. Luminous Efficacy and Energy Efficiency are not the same thing and thus the statement “LEDs are energy efficient” is false.

The Soft Lights Foundation asserts that the switch to LED lighting has been a catastrophe, severely damaging the natural night resource and causing great harm to human health. The switch to LED lighting is based on the false premise that LEDs are energy efficient. We believe it is now time to admit that the switch to LEDs was a failure based on a myth of energy efficiency and that we must remove nearly all LED lighting because it is of such low quality that it is wrecking our entire ecosystem and has proven to be unsafe and discriminatory.

We request a response to each of the following questions:

- 1) Do you agree with the US Department of Energy and others that the definition of “energy efficient” is providing the same quality of service using less energy?
- 2) Do LEDs emit high-quality, uniform light just like incandescent and High-Pressure Sodium?

- 3) Do you agree that using only Luminous Efficacy in lumens per watt is not a valid method of comparing energy efficiency for lighting because it ignores the quality of the light?
- 4) Do you agree that blue wavelength light damages the eye?
- 5) Do you agree that LED light can trigger epileptic seizures, migraines, and panic attacks in a way that incandescent and HPS never did?
- 6) Do you agree that the switch to LEDs did not save energy, but simply reduced the quality to an industrial, low-quality, light with non-uniform energy?
- 7) How will your organization work to repair the ecological damage and injury to humans caused by LED lighting?

Sincerely,

Mark Baker

Mark Baker
President

Soft Lights Foundation
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