

**Ashley Quick**

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**From:** Angelena McCoy  
**Sent:** Thursday, April 21, 2016 9:07 AM  
**To:** Commissioner Correspondence  
**Subject:** FW: Earth Day Event  
**Attachments:** 0510\_001.pdf

Good morning:

Please place the e-mail below and attached document in undocketed consumer correspondence in Docket No. 160000-OT.

Thank you,

**Angelena McCoy**  
**Executive Assistant to Commissioner Patronis**

Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
Office: (850) 413-6004  
Fax: (850) 413-6005

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**From:** Ryan West  
**Sent:** Wednesday, April 20, 2016 3:57 PM  
**To:** Angelena McCoy  
**Subject:** FW: Earth Day Event

**Ryan West**  
Chief Advisor to Commissioner Patronis  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
(850) 413-6004

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**From:** Mitze, Teri [<mailto:Teri.Mitze@myfloridahouse.gov>]  
**Sent:** Wednesday, April 20, 2016 3:52 PM  
**To:** Ryan West  
**Cc:** Mitze, Teri  
**Subject:** Earth Day Event

Ryan,  
Attached is the press release being distributed by members of the Valencia Lakes Board. They have requested support for their issue from Representative Slosberg. Please share any thoughts.  
Cheers,  
Teri Mitze  
District Secretary to Representative Irving Slosberg, District 91  
561-496-5940

**From:** [hdist091@myfloridahouse.gov](mailto:hdist091@myfloridahouse.gov) [mailto:hdist091@myfloridahouse.gov]  
**Sent:** Wednesday, April 20, 2016 3:41 PM  
**To:** Mitze, Teri  
**Subject:** Attached Image

## NEWS ADVISORY

### EARTH DAY EVE DEMONSTRATION

#### OUTRAGE OVER FP&L STREET LAMP CONVERSION COSTS

• Contact • Bryan Glazer • World Satellite Television News • 212-673-4400 / 561-374-1365 • [Bryan@Televisionews.com](mailto:Bryan@Televisionews.com) •

Boynton Beach, FL – April 21 – On the eve of the 46<sup>th</sup> annual Earth Day, hundreds of members of various Palm Beach County homeowner association members will stage a picket sign demonstration along Hagen Ranch Road voicing outrage over the costs and restrictions imposed by FP&L on the transformation from greenhouse gas emitting High Pressure Sodium Vapor (HPSV) street lamps to eco-friendly, energy-efficient Light Emitting Diode (LED) street lamps.

WHAT: Earth Day Eve Greenhouse Gas-Emitting Street Light Demonstration

WHEN: Thursday, April 21, 2016 @ 10:30 AM

WHERE: Intersection of Valencia Lakes Way & Hagen Ranch Road, Boynton Beach, FL 33437

Hagen Ranch Road Between Woolbright & Flavor Pict Road

The Valencia Lakes homeowners' association is hosting the rally. The HOA is among dozens in Palm Beach County communities east of the Florida Turnpike that were built in the 1980's and '90s that are now seeking to modernize their street lighting systems but have learned that the cost of doing so with FP&L is prohibitive compared to prices offered by private firms, which are as much as 70 percent less expensive.

The street lighting in these communities was built and is maintained by FP&L. It owns the entire street lighting systems. Therefore, the utility forbids other companies to change the light heads from HPSV to LED. This means the communities must pay, possibly millions of dollars, for the installation of new poles, lamp heads and subterranean electrical cables.

According to an FP&L street lighting price quote, Valencia Lakes would need to make payments of \$170,000 to update its 230 street lamps. The FP&L price per light head and installation is \$833. Other companies' conversion charges are about \$200 - \$250 per unit, according to Valencia Lakes HOA Vice President, Bob Sklar. FP&L contends it cannot offer lower prices since its rates are regulated by the Florida Public Service Commission. "Then the PSC should mandate FPL institute more competitive pricing," says Sklar.

Currently, the 696 home Valencia Lakes gated, age 55 and older community pays an FP&L street lighting electric bill of about \$60,000, annually. If the community installs LED street-lighting, its yearly electric bill would drop to about \$20,000, according to Sklar's calculations.

According to various sources, including the U.S. Department of Energy, U.S. Environmental Protection Agency and Energy Star, LED street lamp lighting reduces energy consumption and costs from between 50 and 80 percent, depending on several variables.

### **HPSV Facts**

- Lamp Lifespan Up to 24,000 Hours
- Lamps Contain Toxic Gases
- Lamps Emit Heat & Carbon Dioxide
- Poor Color Rendition (~20 CRI)

### **LED Facts & Comparison to HPSV**

- Lamp Lifespan Up to 50,000 Hours
- Low Energy Consumption:
- More Focused But Sometimes Reduced Illumination Levels
- More Accurate Color Rendering: (The ability of a light source to correctly reproduce the colors of the objects in comparison to an ideal light source.)
- Improved Color Rendering Makes it Easier for Drivers to Recognize Potential Road Hazards
- Quick Turn-On & Off: Unlike HPSV Taking Several Minutes to Warm-Up. This is Critical in Power Outages
- No Problem with Immediate Restart: Unlike Sodium Vapor Lamps (commonly used in street lighting), LEDs do not have a problem restarting immediately (hot ignition) following a brief power failure or inadvertent turn off.
- Less Attractive to Nocturnal Insects: (Nocturnal insects are attracted to ultraviolet light emitted by many conventional light sources.)
- Optically Efficient Lighting Equipment: (Other types of street lights use a reflector to capture the light emitted upwards from the lamp. Even under the best of conditions, the reflector absorbs some of the light.)
- Reduced Glare: Directing the Light Downward onto the Roadway Reduces the Amount of Light that is Directed into Driver's Eyes.
- Higher Light Less Heat than HPSV
- *Important to understand that no LED street lighting products have been in service long enough to confirm the projections). If realized in practice, the less frequent need to service or replace LEDs will mean lower maintenance cost.*

Sources: DOE, EPA, Energy Star