ENERGY SOLUTIONS

March 3, 2015

Dear Commissioner McAllister,

I am writing on behalf of Energy Solutions, a consulting firm based in Oakland, California, and a leader in California's energy efficiency and integrated demand side management industry. We are writing to express our support for the California Lighting Technology Center (CLTC) and to encourage the Commission to allocate EPIC resources to support research centers like the CLTC.

Among other things, our firm works on a wide range of lighting-related energy efficiency initiatives in California, including emerging technology programs, rebate programs, and codes and standards enhancement efforts. In this capacity we've had the opportunity to work closely with the CLTC for many years and have seen first-hand the benefits the Lighting Center provides for the State of California.

The CLTC has been an asset to the State's lighting and energy efficiency industry by providing technical resources and expertise, conducting trainings and publishing training materials, conducting product testing and demonstrations, and helping to coordinate between numerous energy efficiency and lighting industry stakeholders. These efforts are valuable in supporting countless lighting energy reduction projects that produce significant benefits for electricity ratepayers, including reduced energy costs, improved product reliability and performance, and greenhouse gas reductions. Though there are many, we want to call out a few of the valuable efforts we have seen CLTC supporting in the last few years:

- Adaptive Lighting: The CLTC has been a leader in the development and roll out of adaptive lighting and outdoor lighting controls, implementing various demonstration and pilot projects to showcase network-controlled LED streetlights, new sensor technologies with longer detection ranges, and other advanced control applications.
- LED Quality Initiative: The CLTC has played an important role in supporting the State's efforts to promote high performance, high quality LED lighting products, including the CEC's Voluntary LED Quality Specification and the Title 24 building code requirements for new residential construction. The CLTC has brought together manufacturer partners, state agencies, and utilities by providing a forum to discuss solutions that will optimize the benefits of LEDs for Californians. The CLTC has also conducted a large amount of photometric and electrical testing, product life testing, and human factors testing in its various laboratory environments, including its retail simulation lab. These labs are all extremely valuable and have taken significant time and investment to develop.
- Statewide Codes and Standards Roundtables: Over the last few years, the CLTC has worked with the Statewide Utility Codes and Standards team to host a recurring in-person meeting to gather key stakeholders from the CPUC, the CEC, the utility

449 15th Street, Oakland, CA 94612 510 482 4420 www.energy-solution.com

incentive programs, utility ET programs, and the utility C&S programs to promote better alignment and coordination between these various groups. These meetings help to steer California's lighting program efforts so that they drive measures towards future codes and standards opportunities. These meetings benefit greatly from a host who is familiar with all parties and can provide an expert and neutral perspective on California's lighting efficiency efforts.

In short, the CLTC is a very important stakeholder helping to push the State towards the lighting energy reduction goals laid out in AB 1109. With its position as a University-based research center with support from the State, from the utilities, and from manufacturers, the center plays a unique role in California's lighting energy efficiency market. We hope that State EPIC funding will continue to support this organization and other energy efficiency centers providing valuable services within California. We appreciate this opportunity to provide comment on this matter. Please do not hesitate to contact me with questions.

Sincerely,

Ted Pope
Vice President