



California Energy Commission  
1516 Ninth Street, MS-29  
Sacramento, CA 95814-5512

VELUX Design and Development  
Company USA, Inc.  
P.O. Box 5001  
450 Old Brickyard Road  
Greenwood, SC 29648-5001

864-941-4700 Phone  
864-941-4759 Fax  
www.veluxusa.com

Your reference

Our reference  
Collaboration with CLTC

Date  
February 24, 2015

**Subject:**

Dear Commissioner McAllister,

We are writing you in strong support of the California Lighting Technology Center (CLTC), University of California, Davis, a public-private partnership that has evolved over the last decade. This partnership grew out of a close collaboration between the lighting industry, California's investor owned utilities and the California Energy Commission to support a broad programmatic research, demonstration, education and training project portfolio.

We have collaborated with CLTC on a project with the California Energy Commission and the California Institute for Energy and Environment to develop adaptive envelope technologies for the multi-tenant light commercial market. The objective is to develop systems that optimize both lighting and thermal efficiencies using fenestration materials & lighting controls.

Earlier this year, a test site was chosen which includes a retail bike shop (Ken's Bike\*Ski\*Board Store, Davis, CA). We will be using 6 skylights that allow natural daylighting and natural ventilation that can be controlled automatically using lighting and temperature sensors. The chosen location in northern California is excellent, because of the moderate temperatures experienced during many months of the year.

We are also working on another test site which is currently under renovation, the Uplands Goodwill Store, in Southern California. The plan is to have our skylights installed at the demonstration site, as well as new lighting, lighting controls and HVAC upgrades.

VELUX began this relationship with the CLTC in 2013 because we believe that natural daylighting is essential for sustainable urban development. Making more use of daylight can help to reduce energy consumption in buildings significantly. As the largest producer of skylights in the world, we also believe that we can market our products within a building envelope system where a return on investment is beneficial and attractive to consumers. We count on the CLTC to provide this integration with other manufacturers in a way that would be impossible for VELUX to provide on our own.

CLTC is very effective in addressing and resolving lighting-related issues that impede progress toward state energy goals. A significant part of CLTC's success is due to the integrated and

harmonized activities that bring together education, research and codes and standards activities. We strongly encourage this integrated approach.

Investing in CLTC and research centers that use a similar model presents the opportunity to effectively integrate and address long-term energy efficiency issues that cannot be obtained through individual project solicitations in different activity areas and at different times.

With kind regards,

Eric Brinton  
Senior Product Development Engineer  
VELUX Design & Development Company USA, Inc.  
1418 Evans Pond Road PO Box 5001  
Greenwood, SC 29648-5001

Telephone direct: 864.941.5014  
Telephone mobile: 864.377.2031  
@ [eric.brinton@velux.com](mailto:eric.brinton@velux.com)  
www [www.velux.com](http://www.velux.com)

Enclosure  
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