

November 19, 2010

Ms. Jaclyn A. Brillling, Secretary
New York State Department of Public Service
3 Empire State Plaza
Albany, New York 12223-1350

RE: Case 10-M-0457

Dear Ms. Brillling:

Thank you for the opportunity to comment on the *New York State Energy Research and Development Authority in the Matter of the System Benefits Charge IV* in the above referenced case.

The Lighting Research Center (LRC), a part of Rensselaer Polytechnic Institute, recognizes the tremendous opportunity that changes in lighting practice offer New York State for permanently reducing electric energy use and peak energy demand and for developing New York's economy. The research funding supported through the system benefits charge (SBC) administered by NYSERDA has been key to substantial progress towards realizing progress these opportunities.

Research and demonstrations are necessary to accelerate progress, identify lighting technologies that provide energy savings in real applications, discover new technologies, and guide technology applications so that they provide value for people. Research and demonstrations are essential for continued progress and for the well-being of society. We believe that SBC support of our program in the past has been put to good use, both to save energy and to grow New York businesses focused on energy-efficient lighting.

For examples, the SBC research and development funds have been used to test the claims of new energy efficient lighting technologies to ensure they meet consumer needs and save energy. This protects the public against misleading information sometimes published by manufacturers. Also, research support has developed new, highly efficient lighting sources such as solid state lighting and controls that can reduce lighting energy by more than 50% and reduce peak lighting electric demand by 30% in the State. The SBC funds have also assisted New York based lighting companies to build better, more efficient lighting products, saving energy and creating jobs.

We believe that the SBC funding for research and demonstrations critical for continued progress in energy efficiency and economic development in New York

State. We pledge to continue our 20 year legacy of providing the best possible research and development results supporting the SBC Vision of the Future.

Thank you for the opportunity to comment on the need to continue SBC funding for the research and development of high efficiency lighting products that will meet the needs of New York state businesses and citizens.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Mark S. Rea', with a large, sweeping loop at the end.

Mark S. Rea, Ph.D.
Director
Lighting Research Center
Rensselaer Polytechnic Institute