

## **PBQA AND SUSTAINABILITY**

Over the years creating mood and painting striking architectural environments with light has been Patrick B. Quigley & Associates' (PBQA) primary "calling card." From our inception; however, PBQA has also been strongly linked with the sustainability movement.

The firm won its first Honor Award for Energy Efficiency and Design Excellence from Southern California Edison twenty years ago for Epson America's Corporate Headquarters. This success has been followed by regular recognition by the Illuminating Engineering Society, culminating in their Energy and Environmental Design Award for the recently completed Kia Motors Headquarters. This project also won Illuminating Engineering Society awards for Interior Lighting and Exterior Lighting, making it the only "triple" award winner in the country that year.



Epson America

We are constantly researching the latest developments in lamp and controls



Santa Monica Main Library

technology, and then aggressively deploying the best of these findings on our projects.

Consequently, PBQA has become a powerful ally to clients seeking USGBC "Leadership in Energy and Environmental Design" (LEED) certification for their projects. Our firm lit the Aspen Sundeck Restaurant, which was one of the first group of eleven projects certified in 2001. We continued our pioneering collaborations by scoring the first LEED Certified "Silver" and "Gold" library projects in California.

We specified one of the most advanced "DALI" based control systems available for the Cedars-Sinai Advanced Health Sciences Pavilion. Opened in 2013, the facility achieved a LEED "Gold" certification by using this versatile and adaptable control system to reduce overall energy use for the building by 40% as compared to the energy usage of the code compliant base case building.



Kia Motors Corporate HQ

Other “sustainable” aspects of the firm’s practice include daylighting design and consultation. In conjunction with Professor Marc Schiller of the University of Southern California, PBQA developed the first computer generated model of “daylight hours” to study the likelihood of plant adaptability within the five acre atrium at the Mall of America in Minnesota. Subsequently, PBQA has adapted these techniques for studying daylight degradation to fine art collections. With the recent staff addition of Mr. Jeffrey Boynton (current chairman of the Illuminating Engineering Society’s “Sustainable Lighting Committee”), PBQA plans to team up with more of our architect clients to provide integrated daylighting solutions, that blend seamlessly with PBQA’s electric lighting designs and continues our historic competence in this field.

Sensitivity to neighboring environments has always been a core design principle at PBQA. By eliminating direct glare and light trespass into adjacent properties, our projects integrate into the surrounding

eco-system with minimal disturbance. Paying attention to achieving desired lighting effects while limiting stray light and its contribution to “sky glow” assists in preserving our night skies for current and future generations to enjoy. PBQA belongs to the International Dark-Sky Association (IDA) and our Pima Community College Southwest Campus Project was honored with the IDA’s highest award for Dark-Sky sensitive lighting design.

While the firm has enjoyed continuous notoriety for its contributions to sustainability, we know that such achievements are meaningless if they sap a project of its overall success at night. A project must still market itself to the public, create a memorable mood and lit environment that people want to return to, promote worker productivity and provide a sense of safety. PBQA is committed to sustainability as a complimentary component to the project’s overall nighttime success.



Pima Community College Southwest Campus



Kia Motor Corporate HQ

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Pima Community College Southwest Campus