

Lutron Promotes Smart Grid Capabilities at Greenbuild 2010

—Light control company continues the promotion of technology leadership in commercial and residential sectors in the energy demand response arena—

Chicago, IL (November 16, 2010)— Light control manufacturer Lutron Electronics Co., Inc. promotes the use of its technologies that are used in many whole building and whole home lighting systems in an effort to fill the gaps that exist between utilities and their customers in the burgeoning Smart Grid demand response arena.

At the Greenbuild Expo 2010, sponsored by the U.S. Green Building Council (USGBC), Lutron will be showcasing products that can enable a workable demand response system. “On the commercial side, our Quantum® total light management system and Q-Manager with IntelliDemand™ can handle the control and programming respectively. Green Glance™ software can provide a review of energy consumption,” said Ian Rowbottom, Director of Smart Grid Solutions at Lutron.

On the residential side, the company recently introduced RadioRa2® whole home lighting control system that can serve as the backbone system for demand response in the home.

“The technology exists today from Lutron for your commercial building to automate demand response with communications from your local utility,” said Ian Rowbottom. “A building’s light control system is one of the most effective ways to stabilize and bring efficiencies in peak demand situations by shedding lighting loads seamlessly without any distractions to employees or customers.”

At the Greenbuild booth, Lutron is reviewing for attendees an AutoDR pilot project, run by the California Energy Commission’s PIER (Public Interest Energy Research) Demand Response Research Center at Lawrence Berkeley National Lab. This was an assessment of emerging technology available for 20-200 kW peak load customers in Pacific Gas & Electric (PG&E) service territory. The project examined the use of the OpenADR (an emerging demand response communications standard) and DRAS (a Demand Response Automation Server) to communicate DR messages to commercial customers via the Internet and for those customers to automatically curtail electricity consumption via lighting, HVAC and plug-in devices. Initial results of the project are successful, seamless, automated response of lighting controls to demand response events from DRAS, lighting energy reductions of up to 70% achieved during demand response events, DR reductions achieved without disrupting occupants – Slow fade times were helpful and access to energy metering information has offered insight into and support of new energy-saving strategies.

This technology will support future demand response / peak demand management programs planned for commercial utility customers such as Peak Day Pricing (PDP).

About Lutron Electronics Co., Inc.

Lutron Electronics Co., Inc., headquartered in Coopersburg, Pa., is the world leader in the design and manufacture of light control solutions for both residential and commercial applications. The company offers a wide variety of lighting controls, whole-home and whole-building dimming systems, and electronically controlled shading solutions. Lutron products save energy, increase space flexibility, and enhance occupant comfort and productivity, making them essential to any home and building. For more information, view www.lutron.com.

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