

Fact Sheet



US Energy Bill 2007

LONMARK International is in full support of the efforts being established under the new US Energy Bill 2007. Key areas of energy conservation are in direct alignment with LONMARK's key objectives and charter. LONMARK International establishes the interoperability guidelines, which allow a wide array of vendors' control products to work together in a complete, intelligent system. These products focus on energy and efficient control strategies in buildings, homes, transportation, and industrial applications.



A few key elements of the Energy Bill relevant to intelligent controls include:

- "High Performance Buildings...that integrates and optimizes on a life-cycle basis all of the major high performance attributes, including energy conservation, accessibility, cost-benefit, productivity, sustainability, functionality, and operational considerations" (p281)
- "Improves indoor environmental quality, including reducing indoor pollutions, improving thermal comfort, and improving lighting and acoustic environments that affect occupant health and productivity" (p282)
- "Cost effective lighting technologies including lighting controls and daylighting" (p276) • "Conduct research and development on building science, design, materials, components, equipment, and controls, operation, and other practices, integration, energy use management, and benchmarking" (p325)
- "Develop training materials and courses for building professionals and trades on achieving cost-effective high-performance energy efficient buildings" (p301)

LONMARK's technical team is deeply engaged in developing technology standards and innovation for the improvement of the industry. As a non-profit member supported organization, LONMARK's team spans the globe with solutions for energy efficient control systems. The organization works with a variety of standardization bodies focusing on smart grid applications, intelligent buildings, power monitoring, and building controls.

With over 350,000 systems installed worldwide the association is a strong, committed entity able to support the new legislation by offering existing solutions designed for open integration into today's new and retrofit building construction markets. LONMARK's member integration companies have the expertise and desire to support both large and small organizations with optimized efficiency programs to help offset the higher energy costs all are being faced with. Energy savings from a LonMark installation have regularly exceeded 30% year over year savings from a non-integrated, non-intelligent system.

The core of energy reduction is better control. Knowing both when and how to control energy usage is paramount. A real-time, open, integrated control environment for systems such as HVAC, lighting, occupancy, daylight harvesting, elevator controls, security, streetlighting, and power metering/monitoring is needed. LONMARK's certified list of interoperable products and solutions has exceeded 750 hardware products from over 600 member companies. With over 100 Million installed devices, there is tremendous breadth and depth to the knowledge available to organizations interested in making the change.

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The US Energy Bill 2007 refers to new programs and incentives for better monitoring and control of facilities, especially within the various branches of the US Government. Currently LONMARK is working with both the military (Army Corps) and non-military (GSA) energy and facility experts to develop master plan specifications and best practices for energy efficiency through better control. Opportunities for partnership also exist in the private sector including state and local government facilities. LONMARK has consulted and trained many organizations on the "How To" strategies for implementing better controls. LONMARK is offering to help organizations realize the benefits of better control and greener buildings by developing a master plan strategy, organizing a team of open bidders and suppliers, and developing standard specifications for the implementation of the best practices and most advanced systems being installed today.

Energy efficiency starts with understanding usage and where better control can be achieved. You can't control what you can't see. Simple monitoring of energy usage is a great first step and, according to the new legislation, this is a prime area for increased awareness. LONMARK supports better monitoring, control, and integration into more cost effective, long term solutions. Integration with corporate IT infrastructures to enable full enterprise control is fully available in a LONMARK solution, saving time, energy, and money.

The sign of a good strategy is to future-proof the system design. LONMARK has a proven track record. Turn to LONMARK for the know-how. LONMARK's 600+ members provide a wide variety of control system hardware, software, and integration solutions for practically any application and can help with:

- Enterprise system integration
- Master System Integration expertise
- Master planning strategies
- Specification development
- Fair competitive bidding support

LONMARK is helping the green movement achieve the energy efficiency requirements of today. Looking for guidance in taking advantage of open, interoperable, integrated systems? We can help. LONMARK offers the following resources and services:

- Complete listing of certified interoperable products
- Training programs for organizations looking to implement a strong energy efficiency program through intelligent control
- Educational seminars for conferences, trade events, or corporate teams
- Sample specifications for open systems projects
- Guidance in developing a solid energy control master plan
- Support in securing multiple competitive bidders for your projects
- Technical support for LONMARK product certification
- LONMARK Certified Professional Credentialing program and directory
- References and Case Studies

As a non-profit trade association dedicated to helping organizations change the way they think about energy control, LONMARK is eager to help. Our worldwide team of affiliates and support staff are at your disposal.



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