

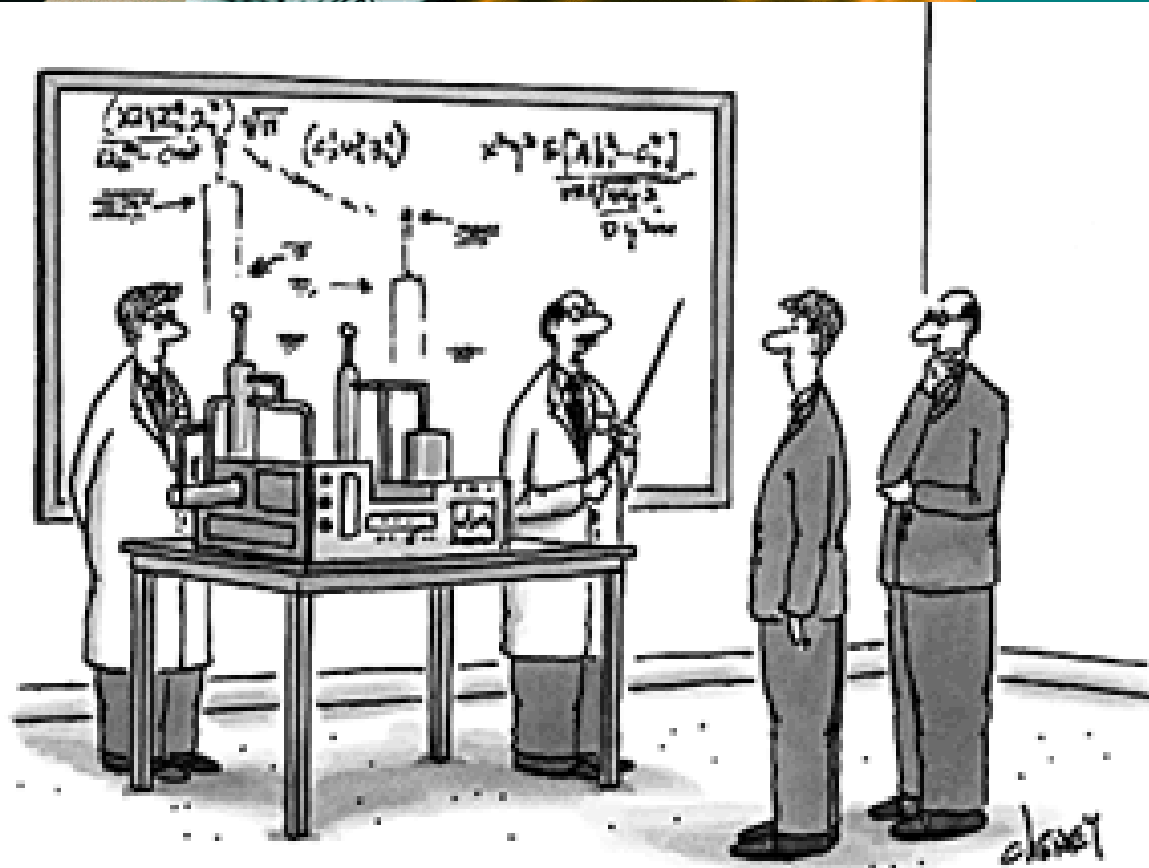
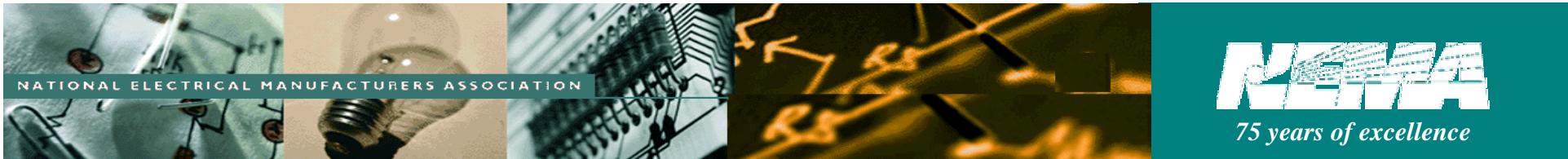
CEE's Fifth Annual Industry Partners Meeting

“Industry Sponsored Efforts to Reduce Energy Consumption and Address Climate Change”

Stephen Gold

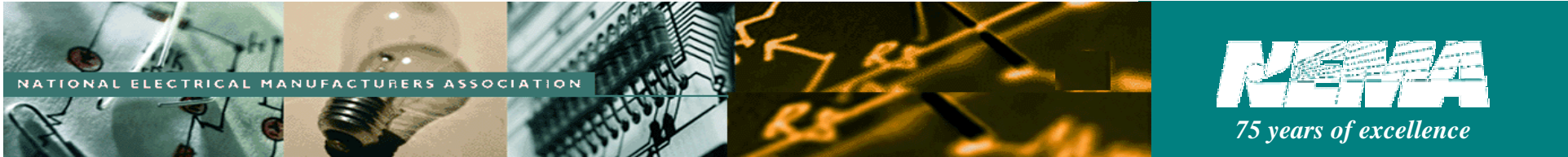
Senior Vice President, NEMA

October 15, 2008



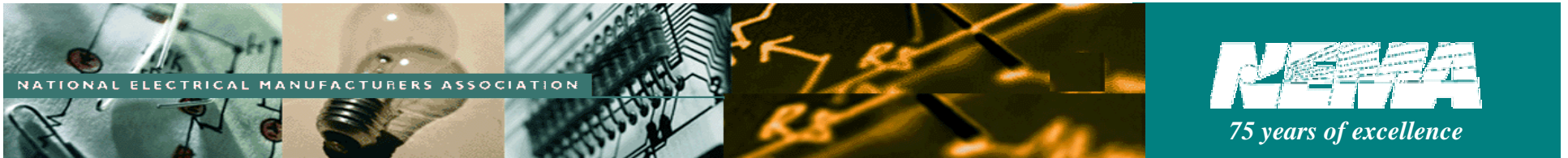
“It’s designed to generate electricity by moving with fluctuations in the Dow.”

The New Yorker July 4, 2005



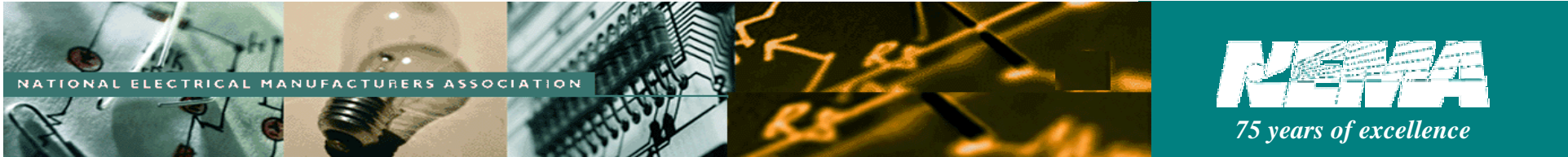
How NEMA Makes a Difference

- 💡 **Manufacturers of all aspects of the grid**
 - Industrial Automation and Controls
 - Lighting Systems and Controls
 - Electronics
 - Building Systems
 - Insulating Materials
 - Wire and Cable
 - Power Equipment



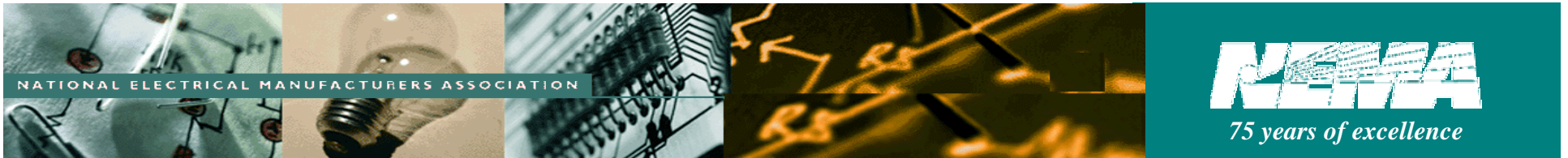
NEMA Energy Efficiency Initiative

- 💡 Goal 1: To successfully incorporate NEMA-favored energy efficiency and energy tax provisions into federal legislation, and to secure federal procurement requirements for energy efficient products and technologies.
- 💡 Goal 2: To organize an ongoing NEMA initiative that will improve and expand the market for energy-efficient electrical products.



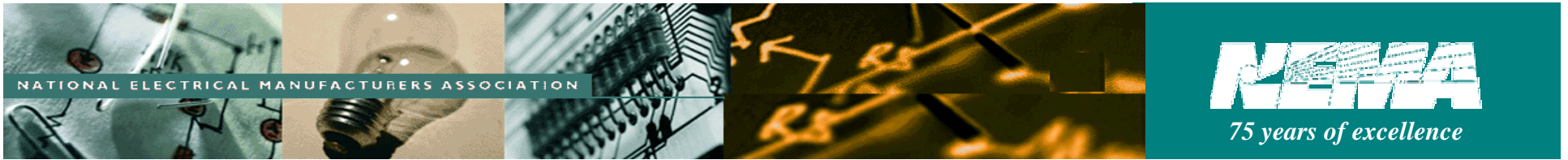
Energy Efficiency Legislation

- 💡 **Energy Independence and Security Act**
 - Energy efficiency standards for lighting, motors, and appliances
 - High Performance Buildings, Smart Grid
- 💡 **Energy Improvement and Extension Act**
 - Commercial buildings tax deduction extension
 - Renewable energy tax credit extension
 - Accelerated depreciation for smart meters
 - Energy-efficient homes tax credit extension
 - Renewable energy production tax credit
 - R&D tax credit renewal and extension



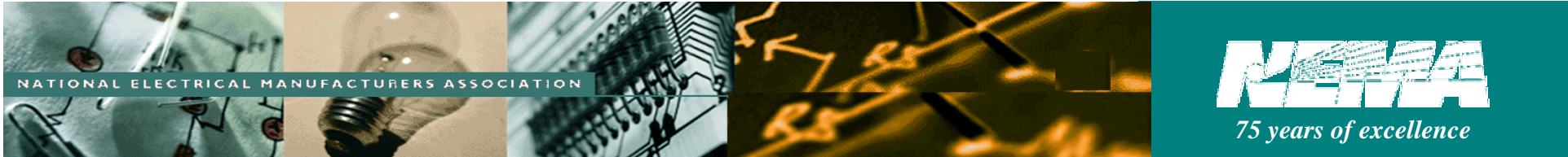
NEMA & High Performance Buildings

- 💡 **Reduce energy use by 50% or more**
 - Lighting systems & controls, motors & motor controls (retire/replace, correct sizing, VFDs), advance thermostat controls, advancing interoperability within and between systems, advanced wiring systems and devices
- 💡 **Reduced maintenance and capital costs**
 - Integrated design used to maximize product/system selection, predictive and preventive maintenance systems
- 💡 **Reduced environmental impact**
 - Sustainable products, environmentally conscious manufacturers, assessing lifecycle benefits and costs in the design phase
- 💡 **Increased occupant comfort and health**
 - Signaling protection and communications through advanced fire alarms and CO sensors
- 💡 **Increased employee productivity**
 - Advanced thermostat controls, use of “daylighting” along with lighting control systems, and other design features to keep employees comfortable



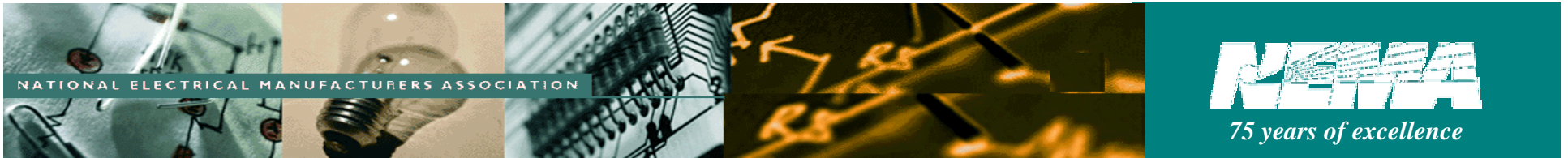
NEMA HPB Council

- 💡 Mission: To provide a forum for NEMA members to increase awareness of the benefits of high performance buildings, to encourage public policies that promote investment in and development of high performance buildings, to foster creation of products that support the achievement of performance metrics, and to develop standards for high performance building products and systems.



NEMA HPB Council

- 💡 HPB Council Committees
 - Codes and Standards
 - Marketing
 - Government Relations
- 💡 National Institute of Building Sciences
- 💡 Sustainable Buildings Industry Council



NEMA Smart Grid Initiative

- 💡 Goal 1: Promote Smart Grid and role of electrical manufacturers to key policymakers
- 💡 Goal 2: Ensure development of Smart Grid interoperability standards
- 💡 Goal 3: Create a positive regulatory/financial environment for utilities to purchase Smart Grid products and systems