



*National Association of
State Energy Officials*

National Association of State Energy Officials
Board of Directors Resolution
Supporting Buildings-to-Grid Integration and
Improved Systems Efficiency

WHEREAS, the National Association of State Energy Officials (NASEO) and our 56 governor designated State and Territory Energy Office members have long sought to lower operating costs of buildings and contribute to state energy and economic development goals by supporting cost effective, innovative building energy technologies;

WHEREAS, NASEO and our 56 governor designated State and Territory Energy Office members have long recognized the importance of supporting a safe, secure, and reliable electric grid;

WHEREAS, homes, commercial, institutional, and public buildings use 40 percent of the nation's energy and represent a tenth of national water use and, there are significant opportunities to increase operational efficiency, improve affordability, enhance construction quality, and support U.S. building product, technology, and construction innovation;

WHEREAS, high performance homes and multifamily buildings provide equity by reducing utility bills, making energy costs more predictable, and significantly reduce default risks;

WHEREAS, State Energy Offices strongly support American job growth and innovation, increased economic productivity, strengthened infrastructure, and greater resilience by improving systems energy efficiency and better integrating buildings with the grid;

WHEREAS, building products, innovation, technologies, and practices have improved the performance of the country's homes, offices, schools, hospitals, laboratories, recreation and retail spaces, factories, and other facilities;

WHEREAS, innovation in energy generation, storage, distribution, and management are transforming the nation's electric grid and the broader national energy system;

WHEREAS, approaches such as integrated design and construction, commissioning, building energy management systems, demand response, distributed energy resources, district energy, transmission, interconnection, combined heat and power, transactive energy, zero energy buildings, microgrids, and smart appliances and devices, are gaining market acceptance and growth;

WHEREAS, further development of policies, programs, practices, and demonstration projects are needed to continue to improve systems efficiency and the integration of buildings with the grid;

WHEREAS, educating states on utility policies and best practices can assist in progressing critically needed programs through enhanced opportunities with utilities, regional grid operators, energy service providers, product and technology providers, building operators, building occupants, and other stakeholders;

WHEREAS, model building energy codes are beginning to consider grid connectivity, such as demand response, smart grid-interactive components, distributed power generation resources, and on-site energy storage;

WHEREAS, State Energy Offices, because of their unequivocal leadership in building energy and grid issues, close relationships to energy utilities, Public Utility Commissions, and providers of energy products and services, and ability to effect progress at a more rapid pace than can be accomplished through regulation, are in a unique position to take leadership of these issues;

NOW, THEREFORE, BE IT RESOLVED THAT NASEO encourages states seeking to improve grid reliability and security, expand economic opportunity, reduce utility costs to consumers and businesses, and enhance resiliency in their buildings sector, to support the policies, programs, and practices that will improve systems energy efficiency and building-to-grid integration by:

- Supporting the development of an integrated buildings to grid frameworks including communications protocols, transactions, and device and building connectivity.
- Continue state leadership and demonstrations in public buildings including: zero energy schools, combined heat and power in hospitals, schools and wastewater treatment plants, and district energy campuses.
- Incorporate systems strategies throughout the building life cycle; from design through construction, commissioning, and operations and maintenance.
- Support the assessment and development of building codes that are meaningful for each state;
- Encouraging optimized systems to improve building performance.