



Building Categories



Old & Historic buildings - These buildings were built before energy codes were established. Many of them need major retrofit to reach the required performance level.



Code Compliant buildings - Built in the past 30 to 40 years, these will require minor changes to reach acceptable performance requirements, such as the Energy Use Intensity (EUI).



High-performance buildings - Built according to sustainability rating systems, such as LEED. These buildings have better performance than building codes require.

Talking Points

- » What do AEE members do to improve energy efficiency - enhance the performance of buildings, reach EUI requirements, and reduce their carbon footprint.
- » How does a Certified Energy Auditor (CEA) help improve a building's energy efficiency.
- » AEE members are engineers solving difficult problems.
- » AEE Annual Awards recognize significant achievements.
- » How economics have to make sense to get things done.

Transforming Buildings | Energy Efficiency & Climate Change

Everyday AEE members are working to improve energy efficiency across our built environment. They are using the latest strategies, technologies, systems, and products to enhance the operation and performance of buildings, reach EUI requirements, and reduce their carbon footprint. This includes retrofitting or replacing existing building systems to improve operations, such as heating, cooling, water, lighting, appliances, thermal insulation, and manufacturing equipment that use energy, with more efficient systems.

Not every building can reach a "net-zero" carbon footprint. But, how every building is constructed, operated, and maintained can be optimized in some way. AEE members audit and measure a building's energy requirements, power quality, energy use, and how the building is used by its occupants to find innovative ways to manage energy use, improve efficiency and further reduce demand. It includes educating building owners about energy tariffs, on-site renewable energy options, and promoting and justifying improvements.

Our members also understand the economic implications of these improvements, and they work to ensure these improvement programs and projects are financially viable. They often work with local companies, utilities, municipalities, and government organizations to find incentives and financial instruments that reconcile economic competitiveness and enable sustainable development.

