



Transforming the Built Environment

One area that offers a substantial resource reduction and creates a positive impact on the environment is on-site power generation. Buildings can now be equipped with on-site renewable energy systems (such as Solar PV, and connected energy storage) to cover their annual energy needs. But, in more advanced scenarios excess energy created can also power fleets of electric vehicles. It is also possible to connect multiple building systems to form Virtual Power Plants (VPP) that will provide renewable energy without the need for large fossil fuel power plants and transmission networks.

Talking Points

- » What does a Renewable Energy Professional (REP) do?
- » How does AEE raise the technical and ethical standards of energy professionals?
- » Working across disciplines to bring renewable energy generation systems on-site.
- » Working with stakeholders to implement projects.

Renewable & Alternative Energy | Energy Efficiency & Climate Change

AEE members focus on energy generation, energy production, and energy storage, and the technologies and strategies that are considered “green and clean,” renewable, alternative, or sustainable. These may include wind power, solar PV and solar water heaters, geothermal, tidal, hydroelectric, and waste-to-energy technologies.

By using their specialized knowledge, AEE members enable transformations. They bring stakeholders together and assist individuals, developers, firms, regulators, organizations, and governments understand the issues, set goals for renewable energy projects, and to maximize benefits when implementing them at small or large scales.