



## Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

# American Energy Corporation (AEC)

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Energy Efficiency and Management Firm

Member since October 2015

## Management and Leadership



### Environmentally Preferable Products and Services

*AEC is an energy efficiency and management firm. We perform energy audits for commercial businesses and non-profits in MD and DE. Over the last 2.5 years, we've performed over 290 WTEAs and ASHRAE Level 2 audits. The Energy Conservation Measures (ECMs) we've installed at our clients' businesses have reduced a total of over 6,826,700 kWhs. That amount is equal to a reduction of 10,377,948 pounds of Carbon Dioxide Equivalent.*

*This level of greenhouse gas reduction is equivalent to the annual greenhouse gas emissions from:*

*981 passenger vehicles*

*11,207,995 miles driven by an average passenger vehicle*

*1,687 tons of waste sent to the landfill*

*241 garbage trucks of waste recycled instead of landfilled*

*It is also equivalent to the CO<sub>2</sub> emissions from:*

*529,690 gallons of gasoline consumed*

*5,056,238 pounds of coal burned*

*62.3 tanker trucks' worth of gasoline*

*430 homes' energy use for one year*

*1.3 wind turbines installed*

*648 home's electricity use for one year*

*(source: [epa.gov/cleanenergy/energy-resources/calculator](http://epa.gov/cleanenergy/energy-resources/calculator)).*

**Environmental Restoration or Community Environmental Projects**

*AEC participates in several business chambers, and supports teachers and students in the local community through the Cecil County Business and Education Partnership Advisory Council (BEPAC). We also support University of Maryland's graduate [energy efficiency engineering program](#) by offering students opportunities to perform energy audits to fulfill course and program requirements. Moreover, we offer AHEC residential energy audit internships to students of Delaware Technical Community College.*

*Most recently we presented, "Energy Treasure Hunt: Finding Inefficiencies in Your Building" at the Delaware Valley Green Building Council's (DVGBC) Delaware Pathways to Green Schools Workshop on Sustainable Schools.*

**Waste**

**Recycling**

*AEC strongly advocates reducing and reusing materials as well as recycling. Our employees are encouraged to reuse paper and other office items prior to recycling.*

*Additionally, AEC recycles most of the materials from our job sites. For example, when we perform a lighting retrofit for an office building, we replace many fluorescent tubes with LEDs. Our electricians collect and return all the existing fluorescent tubes and ballasts as well as all of the LED packaging (cardboard boxes, Polystyrene, plastic) to our office. Once at our office, we sort all of the items and send them to be recycled.*

*We estimate that we've recycled nearly 5,280 fluorescent bulbs within 2015.*

**Hazardous Waste/Toxic Use Reduction**

*As part of our service to commercial businesses, we remove and properly recycle fluorescent tubes and CFLs, and replace them with LEDs. We have recycled over 5,280 fluorescent tubes from January 2015 through October 2015.*

## Energy

### Energy Efficiency

*AEC is a strong believer in “walking-the-talk.” We’ve replaced the fluorescent lighting in our rented office with LEDs. Additionally, we encourage a culture of eco-consciousness in our office by turning off lights when leaving the room, as well as sleeping/turning off computers when not in use.*

## Transportation

### Efficient Business Travel

*AEC’s clients’ business locations range from Wilmington, DE to below Baltimore, MD, therefore we are extremely cognizant of the amount and impact of our business travel. Below is a list of practices that AEC follows regarding minimizing the impacts of its business travel:*

- *Utilize carpooling and rideshare as often as possible to prevent multiple employees driving separately to the same location*
- *Utilize digital platforms as much as possible (teleconference and email)*
- *Combine geographically related client visits into 1 trip and/or pay for a hotel room for employees working on long distance projects and/or training.*



*Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.*

*Learn more at [www.green.maryland.gov/registry](http://www.green.maryland.gov/registry)*

