

## Certified Renewable Energy Professional

An Industry Recognized Certification for Energy Management and Sustainability Professionals

### Who are Certified Renewable Energy Professionals?

- Are you an energy professional, with technical, management and communication skills, to lead, plan, coordinate and manage the installation or upgrade of power generation systems to include renewable energy generation technologies?
- Are you an energy manager responsible for a building or facility's energy use, that operates a renewable energy production or energy storage system, or is looking to upgrade an existing system?
- Are you a consultant who assesses existing systems, then specifies, and financially justifies renewable energy projects for your clients?

A Renewable Energy Professional (REP<sup>TM</sup>) is an energy professional that has chosen to focus on renewable energy generation, production, and storage, plus the strategies and programs that support sustainable energy technologies. These professionals use their specialized knowledge to assist corporations or organizations in setting goals for sustainability through renewable energy projects. They select the most appropriate and viable renewable energy technologies and assist in maximizing the benefits when deploying these systems at small or large scales.



#### What does the Certified Renewable Energy Professional (REP<sup>TM</sup>) Certification Program offer?

This program helps educate and qualify individuals involved in alternative energy sources, renewable energy technologies, and sustainable energy practices. When obtaining the REP<sup>TM</sup> certification, candidates gain industry and peer recognition by demonstrating their understanding of core principles, practices, and applications across a broad range of renewable energy technologies. The program raises the professional standards, both technical and ethical, of those engaged in this important area of energy management.

#### What is the bottom line for me or my company?

Gaining a wide-reaching and industry-recognized renewable energy certification is a personal and financial investment. Individuals report career improvements in the form of salary and responsibility increases. This certification shows that individuals have a fundamental understanding of the profession and a commitment to the highest standards of quality. Companies, organizations, and consultancies with REPs on-staff often see a higher affinity with their customers because REPs understand their customer's requirements and are trusted subject matter experts.

## What functional areas does the REP™ Certification Program cover?

The certification program requires fundamental knowledge across several core principles and practices specific to renewable energy. These include:

- Renewable Energy and Environmental Impacts
- Solar Energy
- Wind Energy
- Hydropower
- Geothermal Energy
- Biomass Energy
- Waste-to-Energy Systems
- Hydrogen Applications
- Hybrid Systems
- Energy Storage
- Alternative Energy Strategies for Buildings
- Transportation Systems
- Financing and Incentives for Alternative Energy
- Renewable Energy Application for Micro-grids

## How do I become eligible for AEE's REP™ certification?

Every certification program offered by AEE is defined by strict standards to ensure that each program maintains its industry-wide recognition and credibility. To that end, AEE stipulates three criteria that all REP™ candidates must meet. Firstly, applicants must have relevant experience or educational credentials (see below). Secondly, candidates must undergo a defined training program that aligns with the fundamental knowledge base of the program, and the principles and practices of the industry as a whole. Thirdly, candidates must pass the associated exam to demonstrate their technical knowledge, proficiency, and abilities in the areas of renewable energy and sustainability.

### Experience & Education

Applicants must meet one of the following eligibility criteria:

- Hold a related\* bachelor's degree OR Professional Engineer (PE) OR Registered Architect (RA) and 2+ years related\* work experience.
- Hold a 2-year associate degree and 5+ years related\* work experience.
- Have 10+ years related\* work experience
- Be a current Certified Energy Manager (CEM™).

\*Related degree includes engineering, architecture, science, business, or related and related experience includes renewable, alternative energy, biomass, biofuel, solar or related.

## Why would I want to take a training program when I believe I already have the knowledge and experience required to pass an exam?

An REP™ training program provides more value than only preparing individuals to take the associated exam. It brings all candidates to a base level of understanding across a wide variety of renewable energy and sustainability topics.

For those entrenched in their normal daily activities, attending a training program, being away from the office, in a classroom environment can be a catalyst for improvement and change. For many, the chance to network, connect, and learn from other like-minded individuals is incredibly valuable.

## I obtained my REP™ certification, where do I go next?

The REP™ certification can help define your status as an energy professional and help progress your career. Once complete, make sure you maintain your account and keep track of your certification on [aeecenter.org](http://aeecenter.org). You can also keep up-to-date on energy management practices and technologies by joining your local AEE Chapter. Energy professionals continuously tell us that they become industry leaders by getting involved in their local communities.

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