

# Certified Energy Manager Training

## A Live, Five-Day Seminar For Energy Professionals

Attend the AEE New England Chapter CEM Course!

Monday, October 29th – Friday, November 2nd, 2018

Siemens Industry Inc.  
85 John Road, Unit 1  
Canton, MA 02021



## Why You Should Attend

The CEM is the most recognized and respected certification in energy management. Established in 1981 to meet the growing needs of individuals and organizations wishing to advance their position in the energy efficiency field, AEE has certified more than 10,000 CEMs. The CEM is nearly universally-accepted and recognized by a cross-section of institutions both public and private, and the designation and program is widely accepted and promoted both in the United States and internationally. In its recent Strategic Sustainability Performance Plan, Discovering Sustainable Solutions to Power and Secure America's Future, Report to The White House Council on Environmental Quality and Office of Management and Budget, the U.S. Department of Energy is requiring CEM designation of key facilities staff.

## About the Association of Energy Engineers

As a growing professional association, the Association of Energy Engineers (AEE) has a strong membership base of more than 14,000 professionals in 83 countries. AEE was the first organization to pioneer energy certification programs and has certified 10,000 CEMs and more than 22,000 professionals in specialty energy areas. AEE certification programs are recognized by the U.S. Department of Energy, the State Department, Fortune 1000 companies, utilities, and energy service companies. When you earn an AEE credential, you are distinguishing yourself among colleagues in your field and demonstrating high levels of experience, competence and specialty knowledge.



If you are interested in attending the CEM Course being held by the New England Chapter of AEE, Please visit our website to register:

[www.aeenewengland.org](http://www.aeenewengland.org)

On Monday, sign-in begins at 8:00am and course starts at 8:30 am. For the remainder of the week we will start teaching at 8:00am. Most likely we will instruct until 4:30 - 5:00pm each day. We will most likely start the 4 - hour CEM exam on Friday at 10:00am. Lite Breakfast & Lunch will be provided at the training location. Also, a minimum of 20 Attendees is required to hold the program.



## About the Presenter

Richard Costello, PE,  
MSEM, BSME, CEM  
President –  
Acela Energy Group

For more than 20 years, Richard Costello has helped more than 500 organizations improve profits with energy solutions. Mr. Costello is the Chair of the Board for the Certified Energy Professional (CEP) Program and is a board member of the Certified Energy Manager (CEM) program, as well as, an Instructor for the BEP and BEST programs sanctioned by the Association of Energy Engineers.

## Learn How to Enhance Operations, Control Costs and Expand Your Career

The CEM training course will empower you to put it all together and get the results your organization expects. Comprehensive in scope, this five-day program takes you systematically from underlying fundamentals to specific how-to's. The one-week program of instruction covers the specific techniques necessary to maximize your effectiveness as an energy manager, vice president of operations or facilities manager.

### Take the CEM Examination on the Last Day of Training

The Certified Energy Manager credential provides recognition to individuals who have demonstrated a high level of competence, proficiency and experience in the field of energy management. Those wishing to earn the CEM credential must meet specific educational and professional experience requirements, and in addition, must pass a written examination. This training course is an excellent refresher program for those preparing to take the CEM exam.



## About CEM Training

According to the AEEnergies, the CEM certification recognizes individuals who have demonstrated high levels of experience, competence, proficiency and ethical fitness in the energy management profession. By attaining the status of CEM, you will be joining an elite group of 10,000 professionals serving industry, business and government throughout the U.S. and in 25 countries abroad. For more information about CEM certification, access [aeecenter.org/certification/cem](http://aeecenter.org/certification/cem).

### Course Outline

- The Need for Energy Management
- Conducting an Energy Audit
- Energy Audit Instrumentation
- Energy Codes and Standards
- Building Energy Use and Performance
- Energy Accounting in Buildings and Facilities
- Energy Rate Structures
- Electric Rate Structures
- Economic Analysis of Alternative Investments
- Alternative Financing
- Waste Heat Recovery
- Life Cycle Costing
- Fuel Supply and Switching
- Electrical Energy Management
- Lighting
- Motors and Adjustable Speed Drives
- HVAC System
- Controls and Energy Management
- Insulations
- Green Buildings, LEED and ENERGY STAR
- Boilers and Steam Generation
- Cogeneration (CHP)
- Maintenance
- Alternative Financing



## Become a More Successful Energy Manager Here

In its years of developing seminar programs, AEE has come to realize certain disciplines require more intensive instruction than others. Based on this realization, this five-day program was designed to provide professionals with the kind of in-depth energy management training they need to achieve the highest possible degree of success as energy managers. Now AEE's most requested program, the CEM training seminar has been completed by thousands of professionals since its inception in 1994.

The program begins by examining the basic fundamentals within all key areas of energy management. From there, the instructors systematically move to a working-level knowledge of the specific principles and techniques. This approach has been specially-designed to fulfill the needs of professionals who seek a broader and more detailed learning experience than can be provided in AEE's shorter courses. In only five days, you can gain the knowledge and confidence it takes to effectively apply state-of-the-art principles of energy management, and to achieve control over energy costs in your organization—whether you're responsible for managing a single facility or developing an energy management program for multiple corporate facilities, government buildings, etc.

### Learn All Areas Critical to Effective Energy Management

This training course is designed for energy managers and other professionals who can benefit from in-depth exposure in areas such as analyzing energy bills, understanding energy rate structures, conducting economic analyses, or applying cost-effective, cost-cutting technologies that can have a real impact on the bottom line. Maintenance personnel—especially those who come to this course without extensive technical backgrounds—can particularly benefit from the instructor's step-by-step approach. Each topic is introduced at a beginning level, and gradually proceeds to more complex issues so new skills learned can be applied as soon as you return to your companies and operations.