



**C.M.F. Engineering, Inc.**

## **Curt M. Freedman, PE, CEM, CEA, LEED AP**

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[www.curtfreedman.com](http://www.curtfreedman.com)

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### Areas of Expertise:

- Accident Investigation
- Accident Reconstruction
- Arc Flash
- Boilers / Chillers
- Carbon Monoxide
- Construction Defects
- Construction Defects & Resolution
- Constuction Design
- Electrical Engineering
- Failure Analysis
- Forensic Engineering
- Furnaces (All Types)
- HVAC
- Insulation
- Lighting
- Mechanical Engineering
- Natural Gas Transmission
- Pinch Point Accidents
- Plumbing
- Sewers
- Solar Energy: Solar Panel Equipment Systems Evaluation
- Solar Glare Evaluation: Vehicle Accident Causation
- Solar Panel: Economic & Energy Performance Evaluation
- Sprinkler Systems
- Structural Engineering
- Vinyl Siding: Melting due to Reflected Sunlight
- Utilities Rates
- Water Filters / Tanks
- Wells
- Window Solar Fire

### Professional Experience:

**C.M.F. Engineering, Inc.**, Longmeadow, MA, *President*. (1985- Present)

**EFI Global**, Fall River, MA, *Senior Forensic & Mechanical Engineer* (2008-2013)

### Teaching Experience:

**Western New England College**, Springfield, MA, *Adjunct Professor* (2006-Present)

Instruct materials science laboratory, energy management, and alternative energy

2010: first professor to successfully include the Certified Energy Manager (CEM) Exam as part of an engineering classroom as sponsored by the Association of Energy Engineers (AEE).

### Consult for Vermont ski industry:

Provided detailed utility rate analysis for Bromley, Ascutney, Suicide Six, Magic, and Stratton to develop a more competitive special contract with Central Vermont Public Service

- 2005: Provided expert testimony to the Vermont Public Service Board and the Department of Public Service to establish special contracts for Ascutney Mountain and Magic Mountain in the Central Vermont service territory
- 2004: Successfully established energy conservation, on-site generation, and load management programs for Bromley Mountain.

### States of Engineering Registration:

- Connecticut
- Maine
- Maryland
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Ohio
- Pennsylvania
- Rhode Island
- Vermont

### Professional Organization Affiliations:

- The American Society of Mechanical Engineers (ASME)
  - Past President, Western Mass. Section 1989-1991
- The National Society of Professional Engineers (NSPE)
- The National Academy of Forensic Engineers, "Senior Member"
- Association of Energy Engineers (AEE)
- The Association of Heating Refrigeration & Air Conditioning Engineers (ASHRAE)
- Building Officials & Code Administrators International, Inc. (BOCA)
- Certified Energy Manager (C.E.M.), The Association of Energy Engineers
- Certified Energy Auditor (C.E.A.), The Association of Energy Engineers