



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

President, CMF Engineering, Inc.  
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### **Areas of Expertise:**

- Accident Investigation
- Accident Reconstruction
- Air Infiltration Investigations
- Arc Flash
- Boilers / Chillers
- Building freeze Investigations
- Cannabis HVAC
- Carbon Monoxide
- Construction Defects
- Construction Defects & Resolution
- Construction Design
- Electrical Engineering
- Failure Analysis
- Forensic Engineering
- Furnaces (All Types)
- HVAC
- Insulation
- Lighting
- Mechanical Engineering
- Natural Gas Transmission
- Pinch Point Accidents
- Plumbing
- Propane/gas Leak Investigations
- Sewers
- Solar Panels
- Solar Glare Evaluation: Vehicle Accident Causation
- Sprinkler Systems
- Structural Engineering
- Vinyl Siding: Melting due to Reflected Sunlight
- Utilities Rates
- Water Filters / Tanks
- Wells
- Window Solar Fires

### **Professional Experience:**

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

Professional experiences include energy management, HVAC design and controls, water and utility conservation, plumbing design, boiler design, chiller design, and building systems evaluation, structural/mechanical inspections for real estate property assessments, mechanical systems' sound attenuation, forensic engineering, expert witness testimony, and energy/utility intervention.

### **Teaching Experience:**

#### **Western New England College, Springfield, MA, Adjunct Professor (2004-Present)**

Instruct materials science laboratory, energy management, and alternative energy

2010: First professor in the nation 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:**

- Arizona
- California
- Colorado
- Connecticut
- Florida
- Hawaii
- Illinois
- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- New Hampshire
- New Jersey
- Nevada
- New York
- North Carolina
- Ohio
- Pennsylvania
- Rhode Island
- Vermont
- Virginia
- Wisconsin

### **Professional Organization Affiliations:**

- Certified Energy Manager (CEM) as endorsed by the Association of Energy Engineers
- Certified Energy Auditor (CEA) as endorsed by the Association of Energy Engineers
- LEED Accredited Professional as endorsed by the U. S. Green Building Council
- The National Academy of Forensic Engineers (NAFE), Senior Member
- The National Society of Professional Engineers (NSPE), Member
- The International Association of Arson Investigators (IAAI), Member
- The American Society of Civil Engineers (ASCE), Member
- The American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE), Member
- Tau Beta Pi ( $\tau\beta\pi$ ) - The Engineering Honor Society