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Sommario/riassunto

Based on the Body of Knowledge, this book is designed to serve as a practical guide for energy professionals preparing to take AEE's Certified Energy Manager® (CEM®) examination. The reference presents an overview of the specific areas of expertise referenced in the current Body of Knowledge in a guided preparatory format, including detailed, specifically targeted reference materials. The full scope of energy calculations and problem solving strategies which must be mastered are presented, covering relevant codes and standards, energy accounting and economics, electrical, lighting and HVAC systems, motors and drives, industrial systems, building envelope, building automation and control systems, renewable energy, boiler and steam systems, thermal storage, maintenance, commissioning, alternative financing, and much more. Green Building, LEED and Energy Star programs are also addressed. The appendix provides a broad range of useful reference tables, as well as mathematical formulas specific to each specific area of energy management addressed. While aimed at those taking the ANSI-certified CEM exam, this text is also an excellent reference to be used throughout an energy manager's professional career.
