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CERTIFIED MEASUREMENT & VERIFICATION SPECIALIST
CMVS
welcome to
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PERFORMANCE MEASUREMENT AND VERIFICATION ANALYST - PMVA OVERVIEW
ONLINE TRAINING BY KRISHNAJI PAWAR
LEED AP(BD+C),GSAS CGP,GCP,ISO 14001
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MODULE 4

Organizational Fundamentals

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PERFORMANCE MEASUREMENT AND VERIFICATION ANALYST - PMVA OVERVIEW

The program educates and qualifies individuals for energy projects, gaining industry recognition through PMVA Certification. It enhances professional standards in energy efficiency and performance measurement and verification.

Learning Objectives

- Introduction
- Knowing the Process of PMVA Credentialing
- Basic Concepts of Measurement & Verification
- Organizational Fundamentals
- Measurement and Verification Process
- Specialist Certification in Measurement and Verification
- Protocols and Advantages of M&V
- Summary and Resources

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INTRODUCTION

- CMVP Program Design by EVO and AEE
- Recognizes top energy efficiency professionals.
- Fosters professional standards in measurement and verification.
- The Association for Experiential Education (AEE) is a non-profit organization dedicated to promoting experiential education and its philosophy among students, educators, and practitioners.
- EVO is a non-profit organization whose products and services help people engineer and invest in energy efficiency projects worldwide.
- PMVA Certification related to M&V Fundamentals and IPMVP training course.
- Program based on EVO's International Performance Measurement and Verification Protocol.
- Earned through field M&V work, education, expertise, and experiences.



CORE VALUES OF EVO



- Not-for-profit, virtual to the extent possible.
- Not a consulting or implementation organization.
- Politically, geographically, commercially, and technologically neutral.
- Centered in expanding global community of volunteers and practitioners.
- Encourages and recognizes value of EVO volunteers' contributions.
- Governed by international Board of Directors and small core staff.

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EFFICIENCY VALUATION ORGANIZATION

- Offers products and services for energy efficiency project engineering and investment.
- Manages the International Performance Measurement and Verification Protocol (IPMVP).
- Aims to create confidence in energy efficiency as a reliable, sustainable resource.
- Provides capacity-building activities including protocol development, M&V and IPMVP training courses, and professional certification programs.



EFFICIENCY VALUATION ORGANIZATION CERTIFICATION

- EVO's PMVA CERTIFICATION is earned by demonstrated field M&V work achieved through a mix of M&V relevant education, professional expertise, and experiences.
- *EVO's PMVE certification is earned by demonstrated advanced field M&V work achieved through a mix of M&V relevant education, professional expertise, and experiences.*

Website

- http://www.evo-world.org



PERFORMANCE MEASUREMENT AND VERIFICATION ANALYST (PMVA) CERTIFICATION OVERVIEW

- Establishes standard for applying performance, measurement, and verification concepts to energy efficiency projects.
- Typically works in analyst roles for ESCOs, public administration, utilities, and financial institutions.
- Involves designing and implementing energy efficiency programs and financing projects.
- Demonstrates M&V capabilities, including understanding IPMVP to determine savings.
- Can be building technologists, HVAC specialists, engineers, architects, economists, financial analysts, etc.





PERFORMANCE MEASUREMENT AND VERIFICATION EXPERT (PMVE)



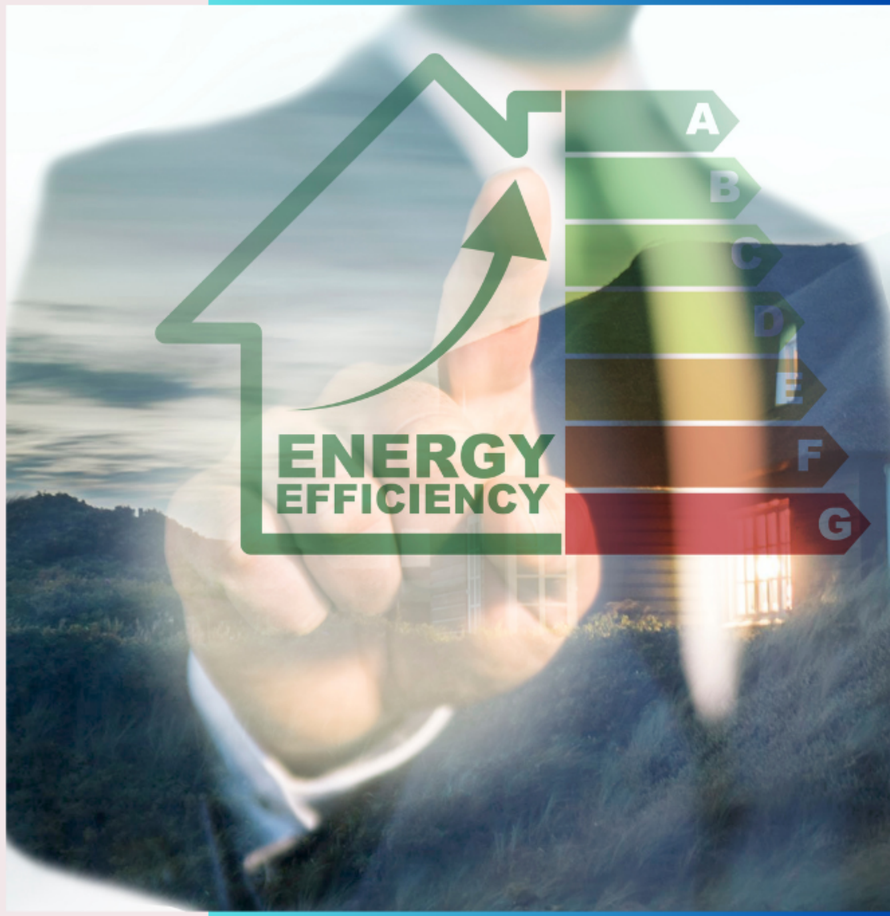
- Establishes the standard for individuals preparing or analyzing measurement and verification plans.
- PMVEs design, elaborate, and implement M&V plans for complex energy efficiency projects.
- Serve as consultants and project facilitators for facility managers and building owners.
- Work as senior M&V analysts for public administration, utilities, and financial institutions.
- Typically holds a technical degree and understanding of various energy efficiency measures.
- Earned through advanced field M&V work, M&V relevant education, professional expertise, and experiences.

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AEE: NON-PROFIT ORGANIZATION FOR ENERGY EFFICIENCY

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- Serves members and industry professionals in improving energy efficiency.
- Aims to lead the global energy community towards a clean, sustainable future.
- Mission: Shape the energy industry through networking, energy awareness, education, training, professional certification, and recognition.
- Trusted by over 17,000 members and 32,000 certified professionals in 125 countries.
- Established the Certified Measurement & Verification Professional® program to recognize qualified professionals and raise professional standards.





ASSOCIATION OF ENERGY ENGINEERS



- The Association of Energy Engineers - a network of over 17,000 members and 32,000 certified individuals, in over 105 countries, serves your needs for career development, networking and recognition.

Website

- https://www.aeecenter.org

Industry

- Industry Associations

Headquarters

- Atlanta, GA

Founded

- 1977

Specialties

- Certifications, Membership, Training, Events, Conferences, Trade Shows, Technical Education, energy efficiency, energy management, sustainability, and clean energy

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CERTIFIED MEASUREMENT AND VERIFICATION PROFESSIONAL (CMVP) CERTIFICATION PROGRAM OVERVIEW

- Provides education and qualification for understanding modern "M&V" standards, guidelines, and protocols.
- Provides proof of understanding critical issues in M&V theory implementation.
- Upholds technical and ethical professional standards crucial for energy efficiency and performance measurement and verification.



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THANK YOU

