



Efficiency
Valuation
Organization

IPMVP® PROTOCOLS IPMVP® TRAININGS IPMVP® CERTIFICATIONS

EFFICIENCY VALUATION ORGANIZATION

evo-world.org



The home of the **IPMVP**[®]



A 20-year-old **non-profit** corporation



Led by **volunteers** around the world

VISION

Create a world that has confidence in energy efficiency as a reliable and sustainable energy resource.

MISSION

Ensure that the savings and impact of energy efficiency and sustainability projects are determined through appropriate measurement and verification.

INTERNATIONAL PERFORMANCE MEASUREMENT AND VERIFICATION PROTOCOL (IPMVP)

EXISTING IPMVP PROTOCOLS

- IPMVP – Core Concepts 2022
- IPMVP – Generally Accepted Principles of M&V
- IPMVP – Non-Routine Events and Adjustments
- IPMVP – Uncertainty Assessment (in revision)
- IPMVP – Renewables (in revision)

IN PREPARATION

- IPMVP – Energy Performance Contract
- IPMVP – Evaluation Measurement & Verification
- IPMVP – Water Applications

IN EARLY DEVELOPMENT / DISCUSSION

- IPMVP – Demand Response
- IPMVP – Calibrated Simulation / Option D

EE FINANCING PROTOCOL

- IEEFP – International Energy Efficiency Financing Protocol

ONGOING
WORK SINCE
1994

LED BY OVER
50
VOLUNTEERS
AROUND THE
WORLD

DOCUMENTS
AVAILABLE
IN MULTIPLE
LANGUAGES

EVO'S M&V TRAINING PROGRAMS

M&V GENERAL & INTRO

M&V Awareness Webinar(s)
(1 hour)

Introduction to M&V
(1 day workshop)

Introduction to M&V Statistics
(Self-taught on line 2-3 hours)

CERTIFICATION TRAINING

M&V Fundamentals and IPMVP
(3 days) + **PMVA** certification exam

M&V Planning in Practice
(2 days) + **PMVE** certification exam

Investment Grade Audit
(3 days) + certification exam

ISO AND IPMVP

ISO 50006 and the IPMVP
(1 day)

ISO 50015 and the IPMVP
(1 day)

ISO 50047 and the IPMVP
(1 day)

ADVANCED M&V COURSES

Introduction to Option D for Buildings Owners (1
(1 day)

Advanced Option D for M&V Practitioners
(3 days)

Advanced Statistics / Regression (LINE)
(3 sessions of 2 hours + homework)

Autocorrelation Functions
(4 sessions of 2 hours each + homework)

M&V and Metering
(Duration TBD)

Non-Routine Events and Adjustments
(Duration TBD)

Interactive Effects in EE Projects
(1 day)

IEEFP Training
(2 days + exam)

MORE THAN
60
ACCREDITED
INSTRUCTORS
AROUND THE
WORLD

DEPLOYMENT
WITH A
GLOBAL
NETWORK OF
TRAINING
PARTNERS

15,000
TRAINEES IN
THE PAST **15**
YEARS IN **60**
COUNTRIES

EVO'S M&V CERTIFICATION PROGRAMS



- Establishes the primary standard for individuals applying M&V concepts to energy efficiency projects.
- PMVAs typically work in an analyst role for ESCOs, public administration, utilities, and financial institutions.
- They have demonstrated M&V capabilities, including a good understanding of applying the IPMVP to determine savings.
- PMVAs could be building technologists, HVAC specialists, engineers, architects, economists, financial analysts, etc.



- Establishes the primary standard for individuals engaged in preparing or analyzing M&V Plans.
- PMVEs typically work as M&V experts and design, elaborate, and implement M&V plans for comprehensive and complex energy efficiency projects.
- PMVEs also work as consultants and project facilitators for facility managers and building owners.
- PMVEs work as senior M&V analysts for public administration, utilities, and financial institutions.
- PMVEs typically have advanced applied expertise in various aspects of M&V and are capable of preparing/challenging M&V plans and reports.
- Most PMVEs will hold a technical degree and have a solid understanding of various energy efficiency measures.

EVO'S M&V SUPPORT INFRASTRUCTURE

