



Efficiency  
Valuation  
Organization

# IPMVP® PROTOCOLS IPMVP® TRAININGS IPMVP® CERTIFICATIONS

---

# EFFICIENCY VALUATION ORGANIZATION

[evo-world.org](http://evo-world.org)



The home of the **IPMVP**<sup>®</sup>



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

(L1) M&V Awareness Webinar(s)  
(1 hour)

(L2) Introduction to M&V  
(1/2 - 1 day workshop)

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

Introduction to Option D for Buildings  
Owners (1 day)

## CERTIFICATION TRAINING

(L3) M&V Fundamentals and IPMVP  
(2.5 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

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)

Energy Efficiency Financing  
(2 days + exam)

**MORE THAN  
60  
APPROVED  
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.
- Certification and re-certification criterium are based exclusively on M&V professional activities. (See the full program description for additional information).



- 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.
- Certification requires holding a PMVA or significant professional experience in the preparation of M&V plans
- Re-certification criterium are based exclusively on M&V professional activities, particularly the preparation or review of M&V plans. (See the full program description for additional information).

# EVO'S M&V SUPPORT INFRASTRUCTURE

