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.
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
## 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

PMVA™
PERFORMANCE MEASUREMENT
AND VERIFICATION ANALYST

- 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.

PMVE™
PERFORMANCE MEASUREMENT
AND VERIFICATION EXPERT

- 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 PRODUCT AND TECHNICAL WORKING GROUP (PTWG)

- Approve Program Purpose & Content
- Approve Instructor Qualification, Mentoring and Certification Criteria
- Approve Training Partners

CERTIFICATION RESPONSIBILITIES
- Approve Required Competencies
- Approve Exam Content/Scoring Criteria
- Approve Certifying Bodies

EVO’s M&V Support Infrastructure

Committees

- Committees
- Responsibilities

EVO PRODUCT RESPONSIBILITIES (PROTOCOL AND TECHNICAL DOCUMENTS)
- Approve New EVO Products/Guidelines

TRAINING RESPONSIBILITIES
- Approve Program Purpose & Content
- Approve Instructor Qualification, Mentoring and Certification Criteria
- Approve Training Partners

TRAINING COMMITTEE
- Provides standard processes for mentoring of training programs, and for approval of training material from an educational perspective
- Run webinars and other educational activities for EVO subscribers
- Receives reports from the sub-committees

CERTIFICATION COMMITTEE
- Prepare/Recommend Certification Materials
- Prepare/Update Exam & Scoring Scheme
- Manage Exam Process & Certifications
- Recommend Certifying Bodies

GENERAL RESPONSIBILITIES
- Identify new products, certifications and training to address gaps from the Outreach and Market Development Working Group (OMDWG), committees & market
- Create criteria/processes for new products, certification and training development

TC-IPMVP Working Group

IPMVP Committee

IEEFP Committee

WGs and OTHERS

M&V Fundamentals Committee

IEEFP/Finance Committee

Advance / Thematic Committee

Individual Committee/WG Activities:
- Identify/recommend new products
- Develop/update new/existing products, guidelines and other EVO materials
- Develop IEEFP country annexes (translations)

Individual Committee Activities:
- Develop/update training materials
- Manage instructor mentoring & approval
- Identify improvements to training material
- Recommend training partners

PMVA Committee

PMVE Committee

CESV Committee

Individual Committee Activities:
- Prepare/Recommend Certification Materials
- Prepare/Update Exam & Scoring Scheme
- Manage Exam Process & Certifications
- Recommend Certifying Bodies

EVO’S M&V SUPPORT INFRASTRUCTURE

IPMVP Committee

IEEFP Committee

WGs and OTHERS

M&V Fundamentals Committee

IEEFP/Finance Committee

Advance / Thematic Committee

PMVA Committee

PMVE Committee

CESV Committee