

Table of Contents

1. Introduction: Renewables	1
1.1. Overview.....	1
1.2. Scope and Purpose	2
1.3. Intended Audience	2
1.4. References to IPMVP Core Document.....	4
2. General Guidance on Operational and Savings Verification for Renewable Energy Systems	5
2.1. Operational Verification	5
2.2. Savings Verification	7
3. Renewable Energy Application of IPMVP Options	15
3.1. Option A: Retrofit-Isolation, Key Parameter Measurement	15
3.2. Option B: Retrofit-isolation, All Parameter Measurement	15
3.3. Option C: Whole Facility	19
3.4. Option D: Calibrated Simulation.....	21
4. Guidelines for M&V Applications	24
4.1. Programmatic Applications	24
5. Costs & Benefits	26