



ENERGY SAVINGS PERFORMANCE AND MEASUREMENT & VERIFICATION ONLINE TRAINING COURSE

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
ENERGY SPECIALIST CURRICULUM





SUMMARY AND RESOURCES FOR ENERGY PROFESSIONALS

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SUMMARY

Learn economic Analysis and Terminology, Time Value of Money (TVM) Tables/Compound interest factors.

Understand Calculate Key Financial Metrics: Net Present Value, PV, Life Cycle Cost, IRR, SIR and Simple Payback

Learn about Energy Savings Performance Contracting & Measurement & Verification Financing/Performance Contracting (Cost of Delay vs. Financing Cost)

3rd Party Financing Options, Performance Contracting Benefits vs. Risks

EVO IPMVP Guidelines and Measurement Methods

M&V Terminology, Check Ups, and Determining Best Approach for an ECM

KEY TAKEAWAYS

Work through practical examples to demonstrate the topics and procedures covered.

Review the various areas of the Body of Knowledge - HVAC Systems with AEE's / BEE's certification exam perspective.

Work through practical examples to demonstrate the topics and procedures covered.

This training program helps to prepares attendees to take the Certified Measurement & Verification Professional CMVP OR Certified Energy Manager® (CEM®) exam.

One of the most globally respected certifications in the field of energy efficiency and energy management. Gain industry and peer recognition, bring value to your organization and propel your career forward.

Get CERTIFIED ENERGY MANAGER - CEM OR CMVP Credentials in your CV



BODY KNOWLEDGE

- ✓ Codes and Standards -----3%-5%
- ✓ Energy Accounting and Economics -----6% -10%
- ✓ Energy Audits and Instrumentation -----8%- 12%
- ✓ Electrical Power Systems and Motors -----9%-13%
- ✓ HVAC Systems-----9%- 13%
- ✓ Industrial Systems -----6% - 8%
- ✓ Building Envelope-----3% - 5%
- ✓ CHP Systems and Renewable Energy -----4%- 6%
- ✓ Fuel Supply and Pricing -----2%- 4%
- ✓ Building Automation and Control Systems ----7%- 11%
- ✓ Thermal Energy Storage Systems -----2%- 4%
- ✓ Lighting Systems -----6%- 8%
- ✓ Boiler and Steam Systems -----3%- 5%
- ✓ Maintenance and Commissioning -----8%- 12%
- ✓ Energy Savings Performance Contracting and Measurement & Verification -- 3%- 5%



RESOURCES

Energy Dictionary, Van Nostrand Reinhold Company, New York - V Daniel Hunt.

Cleaner Production – Energy Efficiency Manual for GERIAP, UNEP, Bangkok prepared by National Productivity Council

Energy Management, Supply and Conservation, Dr. Clive Beggs, .Butterworth Heinemann

Financial Management, Tata Mc-Graw Hill - Prasanna Chandra.

Cleaner Production – Energy Efficiency Manual prepared for GERIAP, UNEP, BANGKOK by National Productivity Council




