



Energy Management Association of the Philippines



What is ENMAP?

- ENMAP is a non-stock, non-profit private professional organization of practicing energy managers, energy engineers and consultants
- It was registered with SEC on October 15, 1979



Energy Management Association of the Philippines

ENMAP'S VISION

**To become the
recognized leader
in the profession
of energy
management in
the country**



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ENMAP'S MISSION

*To promote energy
management and engineering
technologies and applications
aimed towards **global
competitiveness, environmental
preservation and improved
quality of life***



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ENMAP'S MEMBERSHIP

- *Individual members (450)*
- *Individual lifetime members (56)*
- *Corporate members (15)*
- *Corporate lifetime members*



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ENMAP ACTIVITIES



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ENMAP Activities



- Energy Technology Conference (annual)
- Trainings and seminars
- In-house training as requested by companies
- Energy audit
- Third party validation
- Consultancy services



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SEMINARS AND TRAININGS



- Basic Energy Management Training Course
- Energy Audit: An Effective Energy Management Tool
- Advanced Energy Management Training Course



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2006 ENERGY MANAGEMENT TECHNICAL SEMINARS



- Energy Efficiency and Conservation in Buildings
- Economic and Financial Evaluation of Energy Conservation Projects
- Effective Energy Management Development Program
- Energy Auditing Fundamentals
- Motor Management
- HVAC Optimization



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Energy Management Guidebook 2006

CONTENTS

Energy Data (30 pages)

- Energy Supply
 - Oil and Gas
 - Coal
 - Renewable Energy
- Energy Consumption (Overall Energy Balance)
 - Industry
 - Transportation Sector
 - Agriculture
- Power Generation Mix
- List of power plants
- List of DUs and electric cooperatives
- List of ESCOs

Technology Guidelines (14 pages)

- WESM
- Time of Use
- Power Rate Structure
- Waste Heat Recovery
- Cogeneration
- Thermal Storage
- Performance Contracting

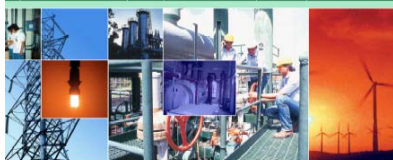
Suppliers (140 pages)

- Boilers
- Steam Systems
- Furnaces
- Chillers
- Household Appliances
- Air-Conditioning
- Refrigeration
- Lighting System
- Compressors
- Electrical Systems
- Building Management Systems
- Cogeneration Systems
- Thermal Storage Systems
- Waste Heat Recovery Systems
- Energy Audit Equipment
- Energy Management Software
- Consultancy Services

Other companies (16 pages)

- Oil companies
- Power plants
- Industrial plants
- Commercial Buildings

ENERGY MANAGEMENT GUIDEBOOK



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ENERGY AUDIT MANUAL FOR INDUSTRIES



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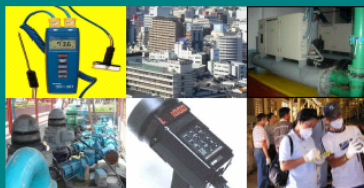
CONTENTS:

- Introduction
- Energy Management – An Overview
- Energy Audit Principles
- Utility Rate Structure
- Energy Audit Methods
 - ♦ Boilers and Steam Systems
 - ♦ Furnaces
 - ♦ Electrical System
 - ♦ Compressors
 - ♦ Fans and Pumps
 - ♦ Lighting System
- Economic Analysis of Projects
- Energy Efficient Technologies
 - ♦ Waste Heat Recovery
 - ♦ Cogeneration
 - ♦ Fuel Cells
 - ♦ Alternative Energy
- ESCO and Performance Contracting



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ENERGY AUDIT MANUAL FOR BUILDINGS



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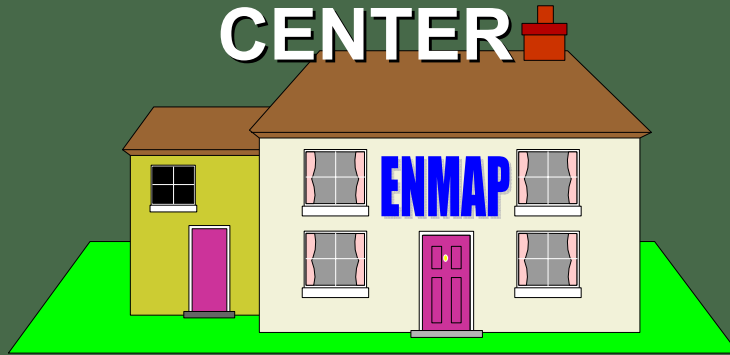
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- Building Management Systems
- Economic Analysis of Projects
- Energy Efficient Technologies
 - ♦ Waste Heat Recovery
 - ♦ Cogeneration
 - ♦ Thermal Storage
 - ♦ Fuel Cells
 - ♦ Alternative Energy
- Guidelines for Building Design
- ESCO and Performance Contracting



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ENERGY MANAGEMENT CENTER



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FUNCTIONS

- Training facility
- Provides technical services (e.g. energy audit, in-house training, consultancy services)
- Implements energy conservation projects
- Promotes energy efficient technologies
- Energy information center



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CHALLENGES FACED BY PRIVATE SECTOR



- Recognition as a partner by the government
- Sustaining the activities of the association
- Sourcing of funds to better implement advocacy activities on energy management



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ENMAP RECOMMENDATIONS



- ABCDE can link the ASEAN countries to developed countries. More focus should be given to technology transfer on sustainable energy technologies.
- ABCDE can pull together efforts and resources from the ASEAN countries to better advocate for the promotion of sustainable energy development



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Thank You



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President

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