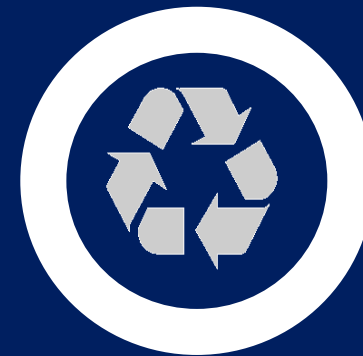
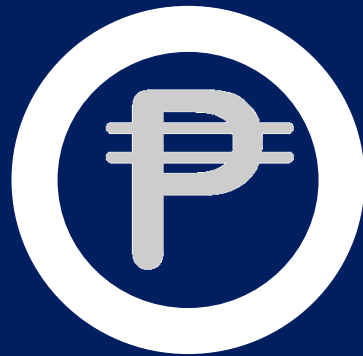




Republic Act No. 11285

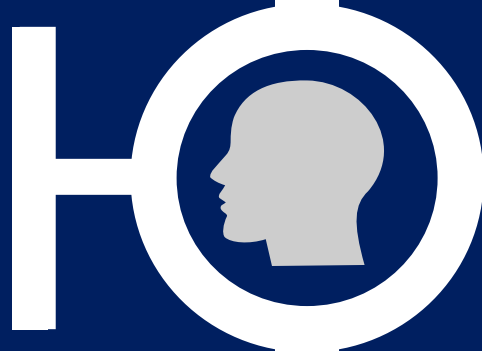
Energy Efficiency and Conservation Act

IMPLEMENTING RULES AND REGULATIONS



PROFESSIONAL COMPETENCY AND SERVICES

*System for assessment and
certification raising professional
standards in energy management
(Sec 47)*



Certified Energy Conservation Officer (CECO) Certification



Scope of Practice

Competency Standards

Clear assessment and certification
under PQF and international
standards (Sec 48-a)

Certified Energy Manager (CEM) Certification

Licensed Engineers or
College Graduate with three
(3) years experience on
energy management

Professional certificate
program (Sec. 48 b)



Development of
Management

Certified Energy Conservation Officer (CECO)

Two (2) years experience



TESDA Certification

Continuing Education (Sec. 50)

Certified Energy Manager (CEM)

Licensed Engineer or College Graduate with three (3) years experience

Certification

Continuing Education (Sec. 50)

Responsibilities of
CECO/CEM

Manage Energy Consumption

Administer Programs

Other responsibilities under EEC Act, EEC-IRR (Sec. 51)

Responsibilities of ESCO

Audit

Design

Management

Technical

Financing (Sec. 52)

DESIGNATED AND OTHER ESTABLISHMENTS

DOE to issue guidelines for computing and identification of Designated Establishments and Specific Energy Consumption (Sec 61)



O

Other establishments - annual energy consumption 100,000 kwh to 500,000 kwh (Sec. 67)

1

Type 1 - annual energy consumption 500,000 kwh or 4,000,000 kwh

2

Type 2 - annual energy consumption of more than 4,000,000 kwh (Sec. 62)

OBLIGATIONS
(Sec. 65)

*Applicable to
Other
Establishments*

Online Registration

Online Submission of Reports

Energy Management System

Program for EEC and RE

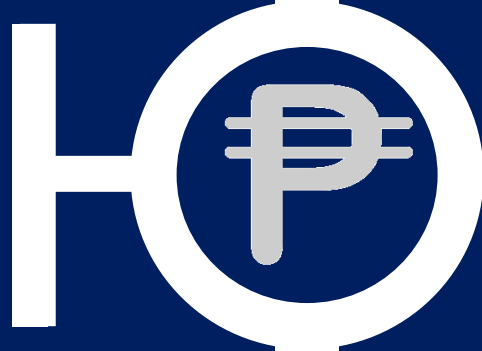
Target

Record Consumption

Energy Audit

Engage CECO or CEM

INCENTIVES



*Fiscal incentives
under Omnibus
Investments
Code of 1987
(Sec. 70)*

*Certified by the DOE
and registered with
BOI to avail (Sec. 71)*

*Non-fiscal incentives
include awards and
recognition program,
and technical
assistance program
(Sec. 72)*

*Financial assistance
of concessional
financing as
recommended and
endorsed by DOE
(Sec. 74)*

LOCAL GOVERNMENT UNITS (LGUs)

EEC Officer

College graduate

*Compliance of LGU with
EEC Act, EEC-IRR and
LEECP (Sec. 29)*



*LGUs to assist in monitoring
compliance (Sec. 27)*

*Establish of EEC Office in all LGUs
except barangay which can be Planning
and Development Office (Sec. 28)*

*LEECP will be incorporated with local
development plan (Sec. 30)*

*Energy Efficiency Projects may be
included in the Investment Priority
Areas (Sec. 31)*

**GOVERNMENT ENERGY
MANAGEMENT PROGRAM
(GEMP)**



*Applies to whole of
government*

Budget

*Savings to be used for EEC
and other benefits (Sec. 34)*

*All agencies and LGUs to comply with
reportorial requirements (Sec. 35)*

*All must designate an EEC Officer to
ensure implementation and reporting
compliance (Sec. 36)*



**INTER-AGENCY ENERGY
EFFICIENCY AND
CONSERVATION COMMITTEE
(IAEECC)**

SEC. 44

SEC. 43

SEC. 42

SEC. 41

SEC. 40

SEC. 39

SEC. 38

SEC. 37

**INTER-AGENCY ENERGY
EFFICIENCY AND
CONSERVATION COMMITTEE
(IAEECC)**

SEC. 44

SEC. 43

SEC. 42

SEC. 41

SEC. 40

SEC. 39

SEC. 38

*Created to
evaluate and
approve
government
energy efficiency
projects*

SEC. 37

SEC. 44

SEC. 43

SEC. 42

SEC. 41

SEC. 40

SEC. 39

INTER-AGENCY ENERGY EFFICIENCY AND CONSERVATION COMMITTEE (IAEECC)



Chair



SEC. 38



SEC. 37

SEC. 44

SEC. 43

SEC. 42

SEC. 41

SEC. 40



IAEECC POWERS AND FUNCTIONS

- ▶ Annual assessment of opportunities for cost reduction;
- ▶ Review all proposed capital projects and energy cost;
- ▶ Provide technical assistance to government agencies or officers;
- ▶ Recommend operations and maintenance procedures to reduce cost;
- ▶ Conduct surveys, audits, technical analysis and other research;
- ▶ Issue a report on the status of government energy efficiency projects; and
- ▶ Develop guidelines to attain objectives of EEC Act



SEC. 39

SEC. 38

SEC. 37

SEC. 44

SEC. 43

SEC. 42

SEC. 41

*Annual Assessment of
Opportunities for
Energy Cost
Reduction on cost of
operating budget,
energy conservation
opportunities and
classification of
facilities*

SEC. 40

SEC. 39

SEC. 38

SEC. 37

SEC. 44

SEC. 43

SEC. 42



*EUMB shall serve as
IAEECC Committee
Secretary*



SEC. 41

SEC. 40

SEC. 39

SEC. 38

SEC. 37

SEC. 44

SEC. 43

*Guidelines will be
issued on
identifying
government energy
efficiency projects*

SEC. 42

SEC. 41

SEC. 40

SEC. 39

SEC. 38

SEC. 37

SEC. 44

*IAEECC to
meet quarterly*

SEC. 43

SEC. 42

SEC. 41

SEC. 40

SEC. 39

SEC. 38

SEC. 37

*Upon request,
assessment and
reports of the
IAEECC may be
made available to
the public*

SEC. 44

SEC. 43

SEC. 42

SEC. 41

SEC. 40

SEC. 39

SEC. 38

SEC. 37




**GOVERNMENT ENERGY
EFFICIENCY PROJECTS**

Financial arrangements and modalities:

- RA 9184***
- BOT***
- NEDA JV***
- PPP***



Energy Efficiency Rating and Labeling Requirements

A vertical white line with a solid white circle at the top and a solid white circle at the bottom, serving as a connector between the two text blocks.

Energy rating and energy labeling system for products, equipment and transport vehicles guidelines under development when issued, no product, equipment and transport vehicles may be sold without complying (Sec. 57)

DOE shall regularly select energy consuming products for examination, testing and verification. DOE has option to procure to carry out the examination and testing (Sec. 60 a and d)



Energy Efficiency Rating and Labeling Requirements



Energy efficiency label contains energy efficiency rating, monthly energy consumption, brand name, product model and year energy rating issued

Mandatory energy labeling for room air conditioners, refrigeration units, television sets and lighting products (Sec. 58)



Energy Efficiency Rating and Labeling Requirements



Fuel economy label contains vehicle model and make, year of production, fuel economy rating in kilometers, CO2 emissions in ton per kilometer and vehicle emission standards (Sec. 59 b)

Fuel economy performance labeling requirements to be developed by DOE, DENR, DOTR (Sec. 59)



MINIMUM ENERGY PERFORMANCE (MEP)



*MEP for Sectors -
Commercial,
Industrial and
Transport for
development with
NEDA (Sec. 54)*

*MEP for energy
consuming
products for
issuance after
testing guidelines
(Sec. 55)*

*Adoption of
Guidelines on
Energy Conserving
Designs on Buildings
for new construction
and retrofit after
consultation of
DPWH (Sec. 56)*



DEMAND SIDE MANAGEMENT (DSM)



***DOE, ERC, and PEZA
effective load management,
migration from peak to off-
peak, use of energy efficient
and/or renewable energy
technologies and systems
(Sec. 69)***



PROHIBITED ACTS AND ENFORCEMENT

Violations under Section 30 or EEC Act can be administrative directed to entity, or civil and/or criminal directed to an individual

On energy label a) failing to comply or b) removing, defacing, altering

Non-compliance with MEP

Non-appointment or designation of CECO or CEM

Refusal to inspections

Non-compliance with DOE orders

Non-submission of reports

SEC. 80

Prior to the imposition of fines penalties observe the following in succession: require an explanation, provide a recommendation, public disclosure after failing explanation and recommendation, and issue order. (Sec. 80)

SEC. 81

Administrative proceedings can be initiated motu proprio or upon filing of complaint (Sec. 81)

SEC. 82

Administrative liabilities are fines and penalties from 10,000 to 1,000,000 (Sec. 82)

SEC. 83

Criminal liabilities include fines from 100,000 to 100,000,000, or imprisonment of 1 to 5 years (Sec. 83)



WASTE MANAGEMENT, COLLECTION, RECYCLING AND DISPOSAL

*DOE, DENR, and DILG to issue guidelines
on characterizing wastes arising from energy
consuming products which will include:*

Containment

Management

Integration with WMCRDS (Sec. 75)



THANK YOU