

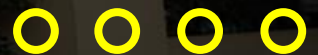


DEPARTMENT OF ENERGY

ACCELERATING ENERGY EFFICIENCY ENHANCEMENT THROUGH TECHNOLOGICAL INNOVATIONS

The 60th Meeting of the APEC Expert Group on Energy Efficiency and Conservation (EGEEC60)

DIR. PATRICK T. AQUINO, CESO III
Philippine Department of Energy



REPUBLIC ACT NO. 11285

Energy Efficiency and Conservation (EEC) Act

The EEC Act institutionalizes energy efficiency and conservation, enhance the efficient use of energy, and grant incentives to energy efficiency and conservation projects.

Approved and signed by President Rodrigo Roa Duterte on 12 April 2019 and effective on 22 May 2019.

REPUBLIC ACT NO. 11393

Advanced Energy and Green Building Technologies Curriculum Act

The EEC Act gives priority to education, science and technology, and other similar fields to support the country's institutions initiating and implementing curriculum development activities and assists the HEIs in preparing the next wave of design and construction professionals to be adept in advanced energy and green building technologies in the design and construction of green buildings.

Approved and signed by President Rodrigo Roa Duterte on 22 August 2022

REPUBLIC ACT NO. 11697

Electric Vehicle Industry Development Act (EVIDA)

The EEC Act gives priority to ensuring the country's energy security and independence by reducing reliance on imported fuel for the transportation sector and to provide an enabling environment for the development of electric vehicles including options for micromobility as an attractive and feasible mode of transportation to reduce dependence on fossil fuels;

Approved and signed by President Rodrigo Roa Duterte on 22 August 2022

CHALLENGES

DESIGNATED ESTABLISHMENTS

Directing all Designated Establishments under Commercial, Industrial, and Transport Sectors to Submit Energy Consumption Reports

MINIMUM ENERGY PERFORMANCE FOR PRODUCTS (MEPP)

Prescribing the MEPP Covered by the Philippine Energy Labelling

FISCAL INCENTIVES

Endorsement of Energy Efficiency Projects to the BOI for Fiscal Incentives

ENERGY CONSERVING DESIGN OF BUILDING

Adoption of the Guidelines on Energy Conserving Design of Building

OVERCOMING CHALLENGES

REDESIGNING AND EXPANDING PHILIPPINE ENERGY LABELING PROGRAM (PELP)

National labeling system for energy consuming products (ECPs) based on the energy performance

Prescribing the Guidelines of the Philippine Energy Labeling Program (PELP) for Compliance of Importers, Manufacturers, Distributors and Dealers of Electrical Appliances and other Energy Consuming Products (ECP)

PELP Covered Products



**Room Air
Conditioners**



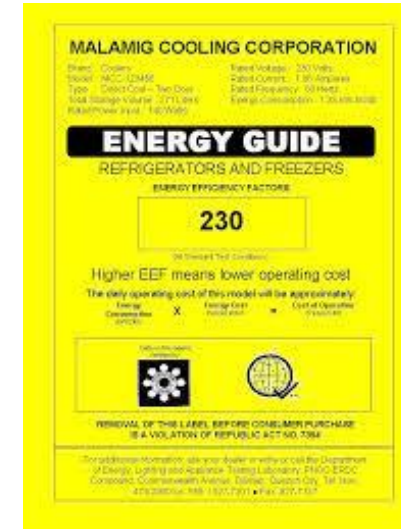
**Lighting
Products**



**Refrigerating
Appliances**



**Television
Sets**



[Department Circular No. DC2022-11-0035](#) Expanding the Coverage of the Philippine Energy Labeling Program (PELP)

- ECPs used for **cleaning** and **laundry**, **cooking** and **food processing**, **cooling**, **heating** and **ventilating**, **grooming** and **personal care**, **ICT equipment**, and **lighting**

Vehicle Fuel Economy Labeling Program (VFELP)
Guidelines and Fuel Economy Performance Rating (FEPR)
Guidelines for Road Transport Vehicles

OVERCOMING CHALLENGES

EXPANDING FISCAL INCENTIVES

Department Circulars shall establish the guidelines, rules and procedures in the endorsement of energy efficiency

Department Circular No. DC2021-05-0011

Guidelines on the Endorsement of Energy Efficiency Projects to the Board of Investments (BOI) Fiscal Incentives



Simple Energy Efficiency Projects

Projects that involve new installation, upgrading or retrofitting of a specific equipment of devices in the system



Complex Energy Efficiency Projects

Projects that involve new installation, retrofitting, or upgrading of system or a combination of a systems



New Energy Efficiency Projects

Innovative EE projects designed to reduced energy consumption of costs



Expansion of Energy Efficiency Projects

Additional EE projects to an existing and/or on-going EE project designed to further increase energy savings.

OVERCOMING CHALLENGES

MODIFYING TARIFF FOR ELECTRIC VEHICLES

The EVIDA provides fiscal and non-fiscal incentives to ensure growth on the needed investment for the EV Industry.

EXECUTIVE ORDER NO. 12

TEMPORARILY MODIFYING THE RATES OF IMPORT DUTY ON ELECTRIC VEHICLES, PARTS, AND COMPONENTS UNDER SECTION 1611 OF REPUBLIC ACT NO. 10863, OTHERWISE KNOWN AS THE "CUSTOMS MODERNIZATION AND TARIFF ACT"

MFN RATE OF DUTY (%)	
1st to 5th Year (13 January 2022 - 13 January 2027)	After the 5th Year
0*	20% - 30%

*modified the tariff on certain electric vehicles (EV) and their parts and components to zero

OVERCOMING CHALLENGES



MOBILIZING LOCAL GOVERNMENT UNITS TO SUPPORT AND IMPLEMENT POLICIES AND GUIDELINES

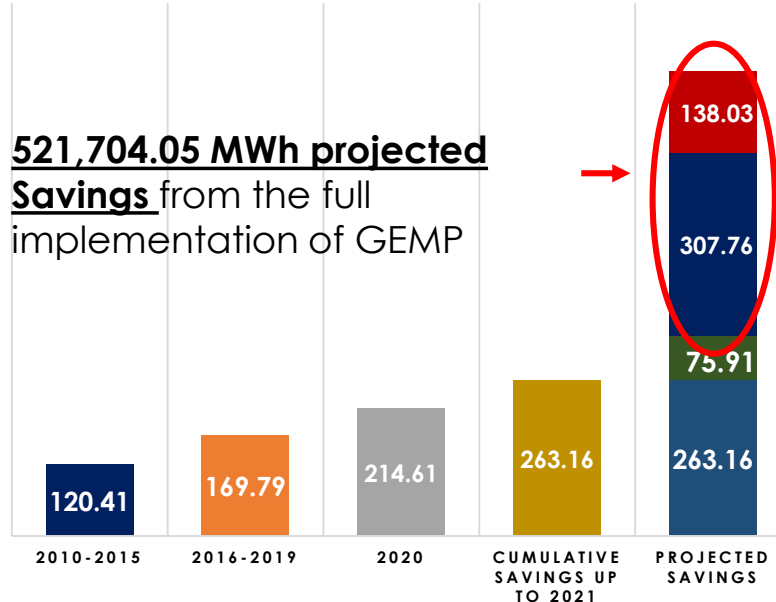
The Government Energy Management Program (GEMP) refers to the government-wide program of reducing the monthly consumption of electricity and petroleum products. This is achievable through efficiency and conservation in electricity use as well as fuel use of government vehicles and the employment of renewable energy systems, among others.

TECHNOLOGY IN ACCELARATING TRANSITION

GOVERNMENT BUILDING RETROFIT PROJECT

Projected savings in total replacement of ACU and lighting to more efficient units and roll out of Solar PV units across the different Government Entities

Energy (in MWh) Savings from GEMP



MONETARY EQUIVALENT OF PROJECTED ANNUAL ENERGY (in MWH) SAVINGS

₱5.2 BILLION

Required Investment Cost

LED RETROFITTING	₱	5.07 Billion
AC RETROFITTING	₱	31.80 Billion
SOLAR INSTALLATION	₱	17.13 Billion
TOTAL:	₱	54.00 Billion

TECHNOLOGY IN ACCELARATING TRANSITION (MIND MUSEUM)



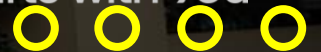


DEPARTMENT OF ENERGY

THANK YOU

YOU HAVE THE
POWER

Energy Efficiency Starts with You





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