## DEPARTMENT OF ENERGY E-POWER MO: Communicating Efficiency Across the Energy Sector

# **Energy Efficiency in the Renewable Energy Sector**

#### Joan C. Escalona

Science Research Specialist II
Energy Efficiency and Conservation Division
Energy Utilization Management Bureau
Department of Energy

Hotel Supreme Convention Plaza, Baguio City 24 April 2018



#### 2017-2040 ENERGY EFFICIENCY & CONSERVATION ROADMAP

#### 2017-2040 ENERGY EFFICIENCY & CONSERVATION ROADMAP

OVERALL
OBJECTIVE
BY 2040

# Government Transport Industrial Residential Commercial Power

SHORT-TERM (2017-2019)

#### MEDIUM-TERM (2020-2022)

LONG-TERM (2023-2040)

#### INDUSTRY DEVELOPMENT

- Conduct market demand scoping
- Advocate the legislation of the EE&C bill
- Establish cross-sectoral energy performance and rating systems
- Create business tool kit for ESCOs
- Collaborate with stakeholders for expanded financing models for EE&C Projects
- Conduct Information, Education and Communication (IEC) campaign on EE practices
- Integrate EE&C at LGU level
- Performance Assessment and Audit for All Power Generation, Transmission and Distribution Systems and Facilities
- Smart Grid

#### STRENGTHENING

- Create enabling mechanisms for private sector participation
- Enhance Demand Side Management mechanisms
- Integrate EE&C in the learning and education system
- Mainstream EE&C at LGU level

#### **SUSTAINING**

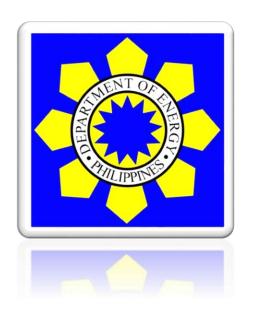
- Institutionalize EE&C Knowledge Management System
- Develop advanced EE&C R&D capacity

MEASURABLE REDUCTION IN ENERGY INTENSITY AND CONSUMPTION PER YEAR VERSUS BUSINESS AS USUAL (BAU)

- Providing market signals
- · Strengthening policies, programs and institutional structures
- Mobilizing and rationalizing private sector participation

#### **Energy Efficiency Opportunities in the Renewable Energy Sector**

NO.	PARTICULAR	
1.	Promotion of Solar Home System in Off-Grid areas.	Caracter Company
2.	Hybrid-Generation of Power in the Off-Grid areas (Isolated Island).  Ex. Diesel Power Plant (SPUG) in combination with RE  Power energy source like Solar PV, Windmills and Ocean wave.	COBRADOR SDPP
3.	Integrate Solar PV Technology in the concept of "Nearly Net Zero Energy Building" in new building construction -one of the strategy to comply with the "Green Building Code of the Philippines" of the DPWH.	
4.	Net Metering	Eport Meter (delivered energy)  Export Meter (precived energy)



### Thank you



(02) 479-2900 / 840-2243



anne4 chavez@gmail.com /



<u>joan.escalona@doe.gov.ph</u> <u>www.doe.gov.ph</u>