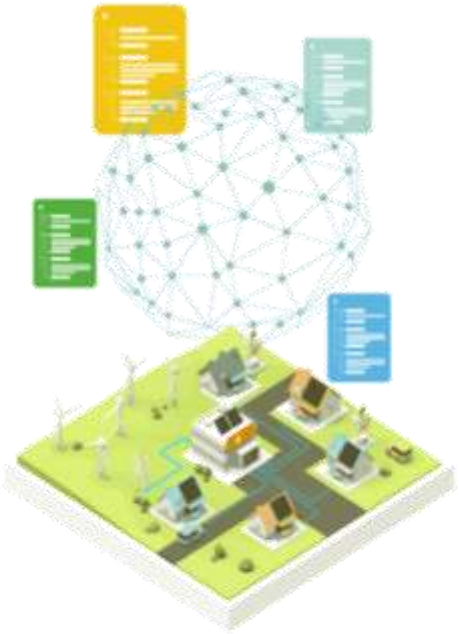
Powering the Philippines:

Last-Mile Delivery Solutions

10 June 2026

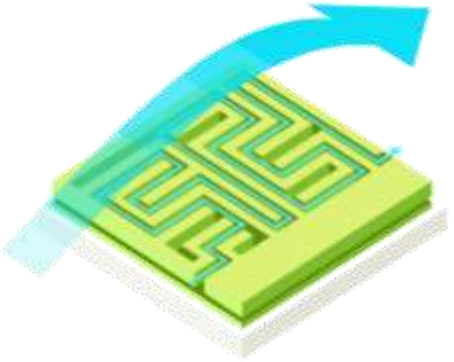
Energy Transition towards Zero-Carbon

Decarbonisation



Decentralisation

Digitalisation



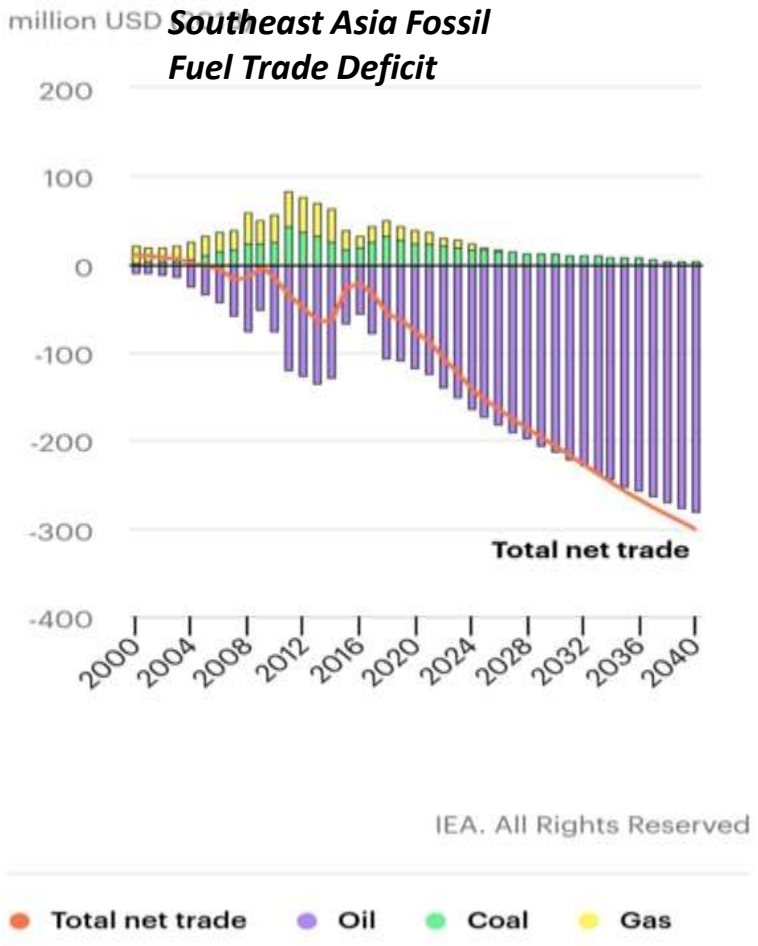
Deregulation

Sustainable and Smart Solutions

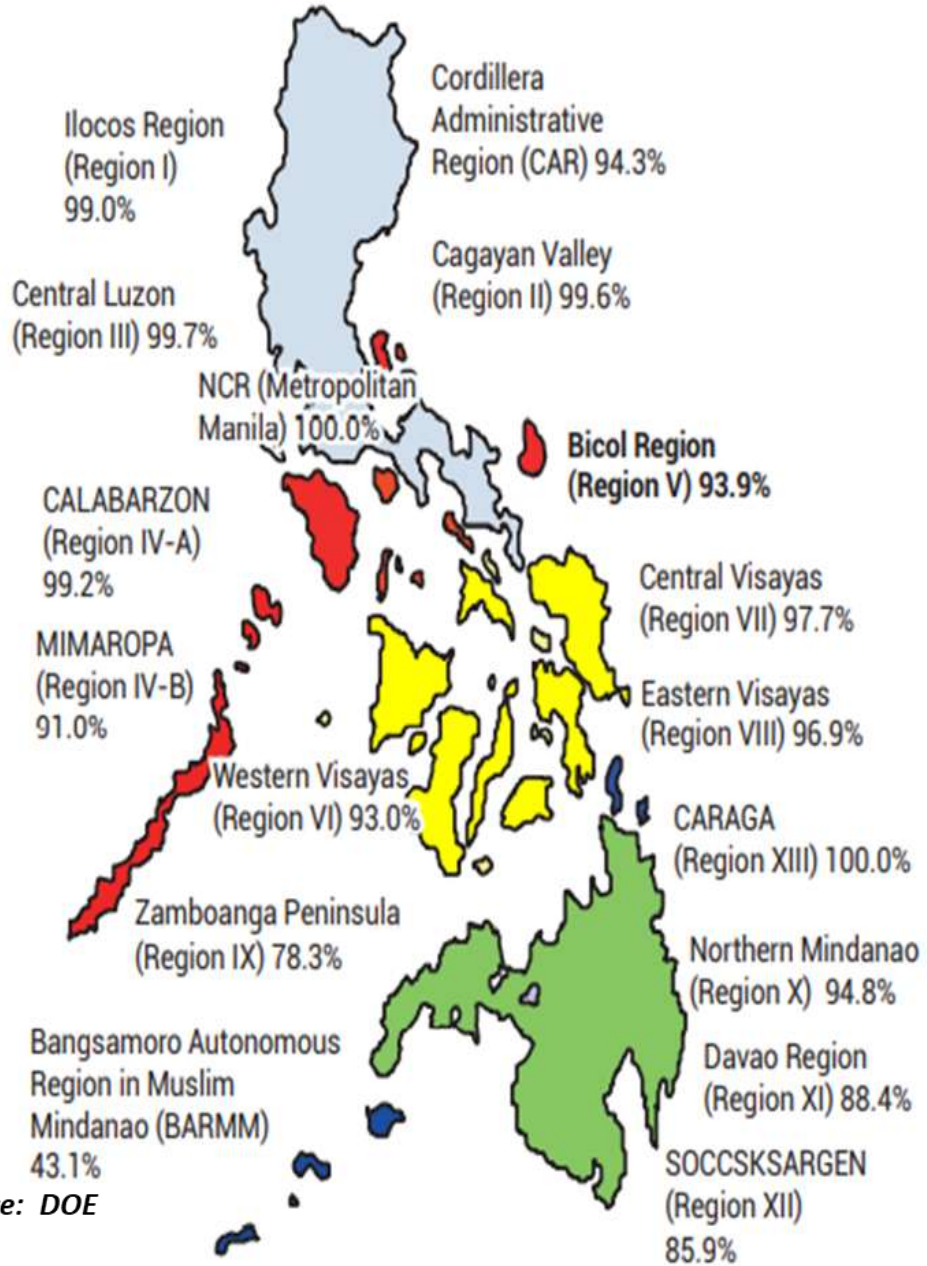
Renewable Cities, Communities and Campuses

Case Study: Asia

Regional Energy Appetite Exceeds Supply



Regional Household Electrification Level*



Source: DOE

Pioneer Hybrid Microgrid With Smart Grid
Sabang, Palawan Island, The Philippines

Li-ion Battery for high solar PV share

Diesel Generators for 24/7 power

14 km of Transmission and Distribution Network

Real-Time Power Management

Power Distribution Grid And Metering System

Remote Controlled Metering and Real-Time Connectivity with Clients







SREC at a Glance 2025

Model for Off-Grid Sustainability and Resiliency

1.4 MWp
Solar Energy Generation Capacity

14 km
Transmission Grid

1.2 MW
Diesel Generators

2.4 MWh
Clean Energy Storage Capacity

605
Consumers

Residential: 522
Commercial: 51
Public Buildings: 32

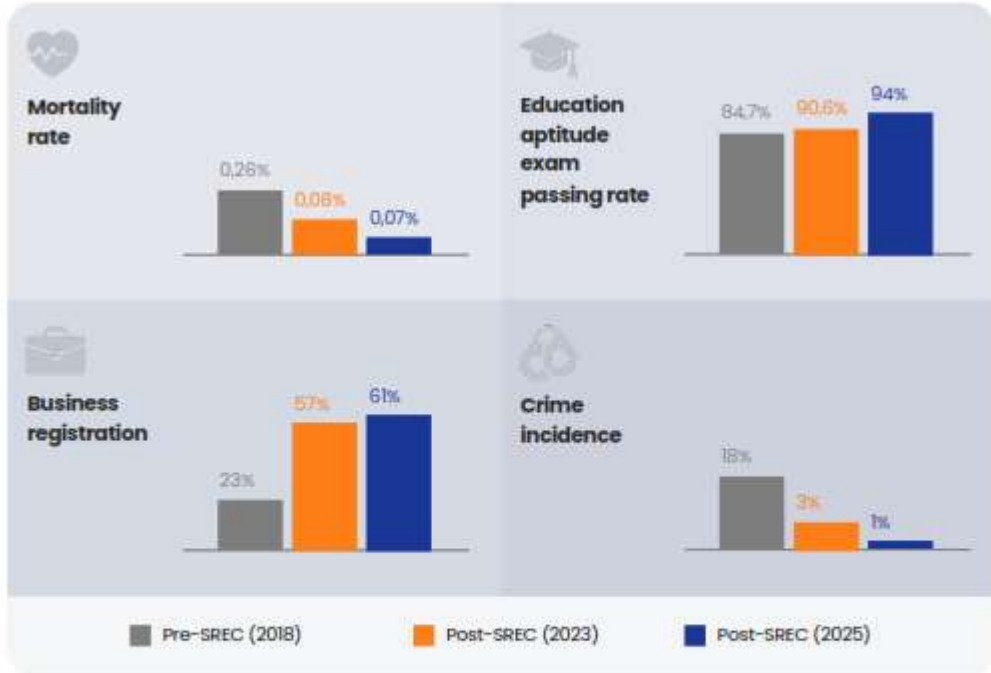
3,125
Residents and 582 Households

61
Local SMEs and 225,614 Tourists/year

47,486
metric tonnes of CO_2 (tCO_2)

Avoided over 20 years direct emissions reduction due to the hybrid system and indirect spillover emissions reduction from lower residential fossil fuel use after renewable electrification

SDG contributed to:



Note: The 2023 mortality rate notwithstanding COVID-19 Pandemic and Super Typhoon Rai/Odette. The 2023 data sets were derived from the constituent Local Government Units (LGUs) of Barangay Cabayugan, and of Puerto Princesa City. The 2025 data sets are derived from the SREC Survey 2025 conducted mid-2025 with local stakeholders.

SREC Impact Report 2025: From Power to Progress: Microgrids as Development Catalysts

Sabang Renewable Energy Corporation

Social and Economic Impact of Microgrids

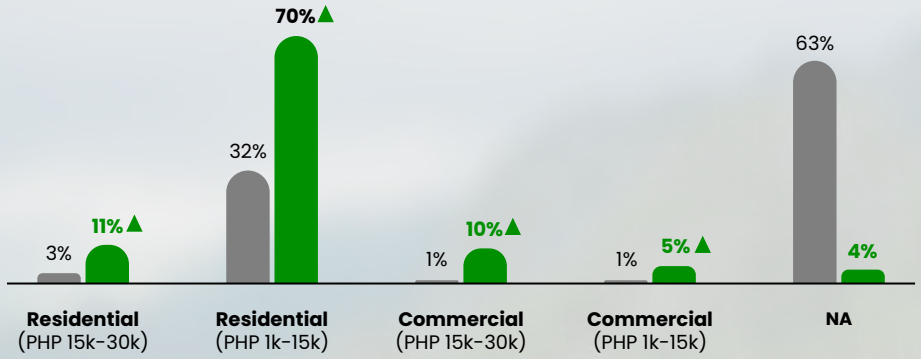
Sabang Renewable Energy Corporation (SREC) Impact Report 2023

Electricity Usage

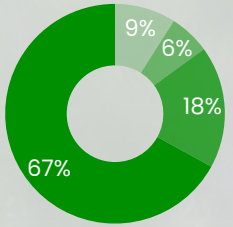
Before SREC **0-8 hours** of daily electricity use

After SREC **8-24 hours** ▲ of daily electricity use

Income Growth

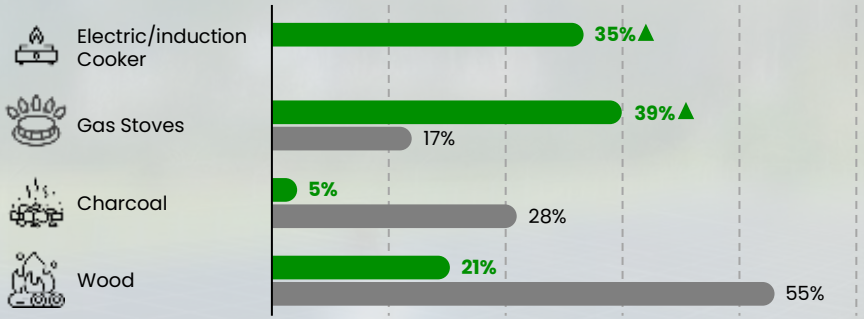


Social Impact (After SREC)



- Increase of income and decrease in crime rate
- Bring new business opportunities
- Helps the whole community (esp. schools and students)
- All of the above

Cooking Source



Internet Penetration

% of population with access to internet

Digital Literacy

When asked for preferred way of paying for their electricity bill:

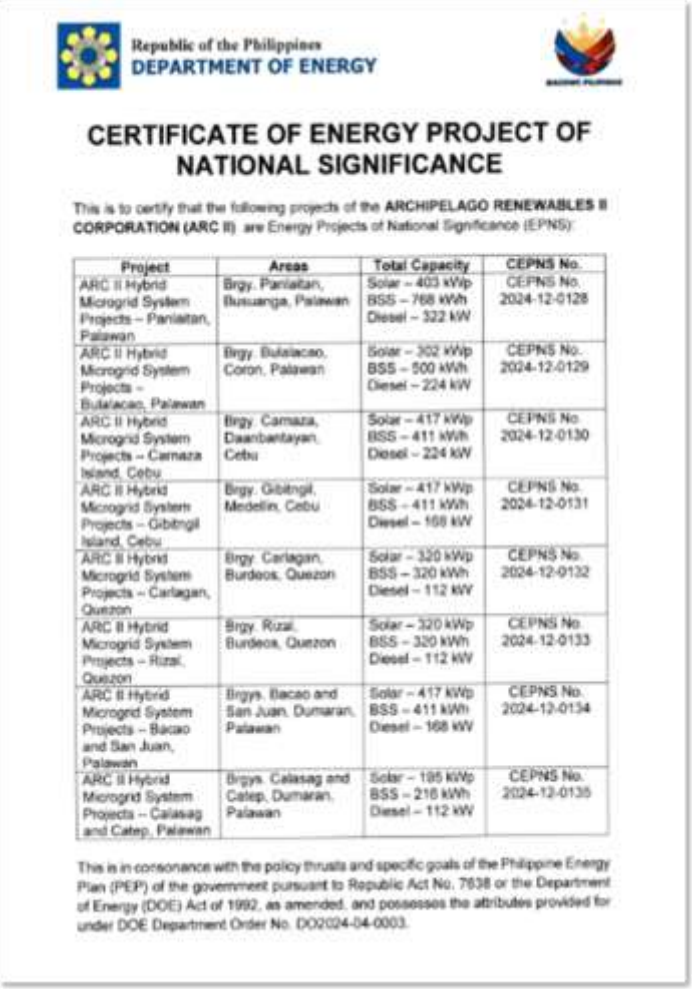
Physical Payment	85%
Mobile Payment	14%
Online Banking	1%

Before SREC After SREC

RA 11646: Microgrid Systems Act

The Act advances the **development of microgrid systems** in unserved and underserved areas in the Philippines.

- **2.5 Million** Filipino Households
- Prioritizes clean, reliable, and affordable energy
- **Php 430B** market and investment



Republic of the Philippines
DEPARTMENT OF ENERGY

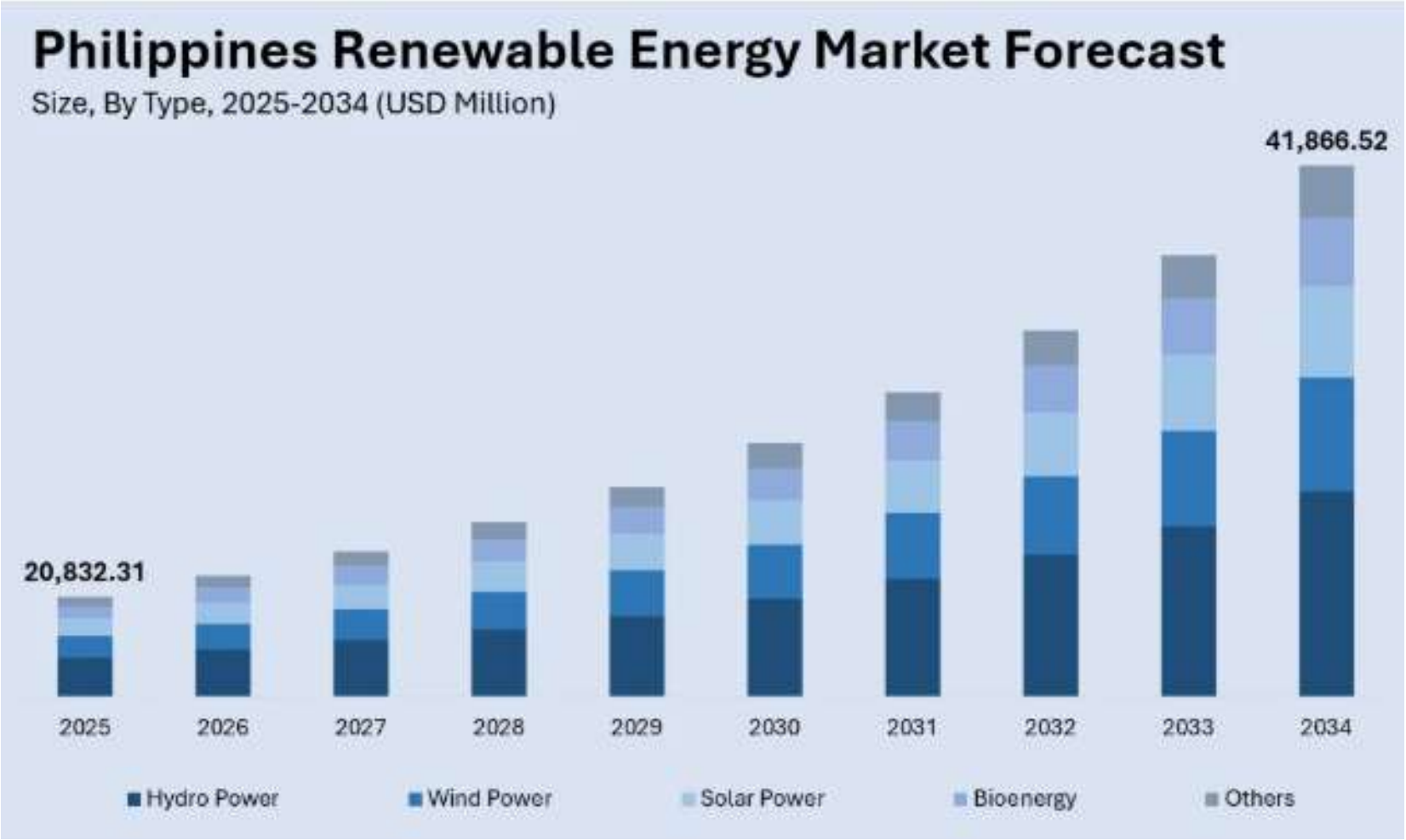
CERTIFICATE OF ENERGY PROJECT OF NATIONAL SIGNIFICANCE

This is to certify that the following projects of the **ARCHIPELAGO RENEWABLES II CORPORATION (ARC II)** are Energy Projects of National Significance (EPNS):

Project	Areas	Total Capacity	CEPNS No.
ARC II Hybrid Microgrid System Projects – Panlaitan, Palawan	Brgy. Panlaitan, Busuanga, Palawan	Solar – 403 kWp BSS – 768 kWh Diesel – 322 kW	CEPNS No. 2024-12-0128
ARC II Hybrid Microgrid System Projects – Bulalacao, Palawan	Brgy. Bulalacao, Coron, Palawan	Solar – 302 kWp BSS – 500 kWh Diesel – 224 kW	CEPNS No. 2024-12-0129
ARC II Hybrid Microgrid System Projects – Camaza Island, Cebu	Brgy. Camaza, Daanbantayan, Cebu	Solar – 417 kWp BSS – 411 kWh Diesel – 224 kW	CEPNS No. 2024-12-0130
ARC II Hybrid Microgrid System Projects – Gibitngil Island, Cebu	Brgy. Gibitngil, Medellin, Cebu	Solar – 417 kWp BSS – 411 kWh Diesel – 168 kW	CEPNS No. 2024-12-0131
ARC II Hybrid Microgrid System Projects – Carlagan, Quezon	Brgy. Carlagan, Burdeos, Quezon	Solar – 320 kWp BSS – 320 kWh Diesel – 112 kW	CEPNS No. 2024-12-0132
ARC II Hybrid Microgrid System Projects – Rizal, Quezon	Brgy. Rizal, Burdeos, Quezon	Solar – 320 kWp BSS – 320 kWh Diesel – 112 kW	CEPNS No. 2024-12-0133
ARC II Hybrid Microgrid System Projects – Bacao and San Juan, Palawan	Brgys. Bacao and San Juan, Dumaran, Palawan	Solar – 417 kWp BSS – 411 kWh Diesel – 168 kW	CEPNS No. 2024-12-0134
ARC II Hybrid Microgrid System Projects – Calasag and Catep, Palawan	Brgys. Calasag and Catep, Dumaran, Palawan	Solar – 195 kWp BSS – 216 kWh Diesel – 112 kW	CEPNS No. 2024-12-0135

This is in consonance with the policy thrusts and specific goals of the Philippine Energy Plan (PEP) of the government pursuant to Republic Act No. 7638 or the Department of Energy (DOE) Act of 1992, as amended, and possesses the attributes provided for under DOE Department Order No. DO2024-04-0003.

WEnergy GLOBAL
Powering Change



Source: IMARC, DOE

Renewable Portfolio Standards: The Battleground

Table 7. RPS Requirement and Compliance of DUs, as of July 2020

Philippines	GWh								
	2018	2019	2020	2021	2022	2023	2024	2025	2029
RPS Requirement	0	0	2,624	3,402	4,389	6,407	8,616	11,024	22,578
RPS Compliance	2,723	5,870	9,383	10,052	9,918	8,794	6,238	5,008	4,536
REC Shortfall	0	0	0	0	0	440	3,885	7,252	18,319

Using adjusted K_m of 2.52% starting 2023

1 REC = 1 MWh

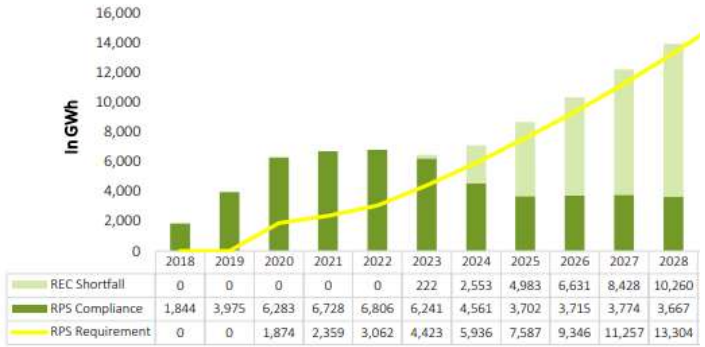


Figure 15. RPS Requirement and Compliance of Luzon DUs, as of July 2020

Figure 16. RPS Requirement and Compliance of Visayas DUs, as of July 2020

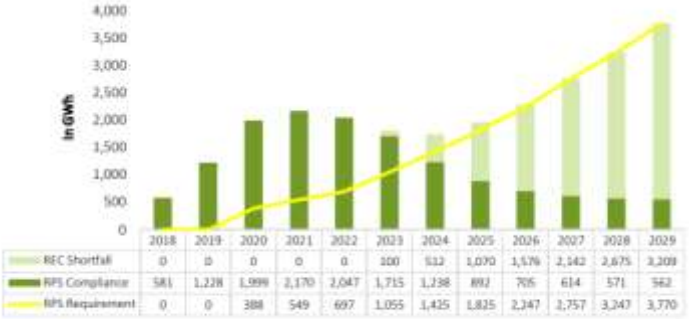
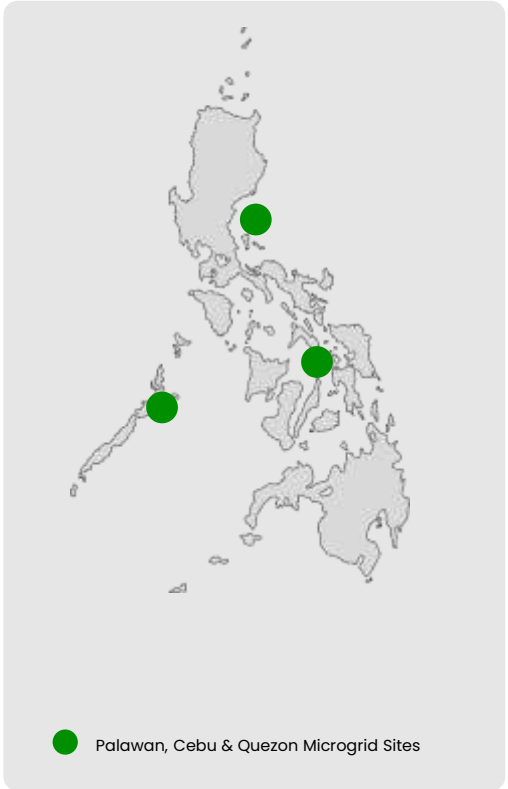


Figure 17. RPS Requirement and Compliance of Mindanao DUs, as of July 2020

Source: DOE

Milestone Project developing under CGP (under execution)

WEG's Consortium recently won three (3) tenders and signed contract for 24 new smart microgrid projects in the Philippines



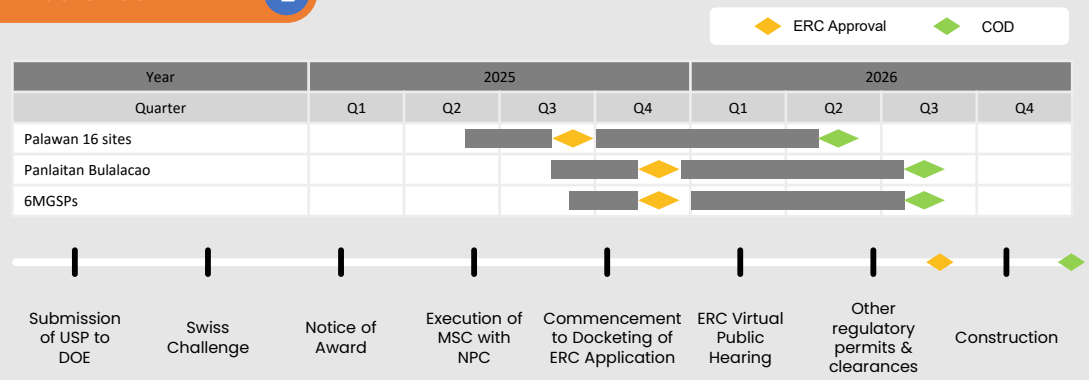
24 Hybrid Powered Smart Microgrids in the Philippines

224 km Smart Power Grid	**6.6 MW** Solar PV	**3.5 MW** Diesel	**7.6 MWh** Battery
11,600 Households	**50,000** Residents	**400+** Local SME	**USD 35 m** Investment

Design, Build, Own and Operate of Solar Hybrid Microgrids across 24 sites in the Philippines

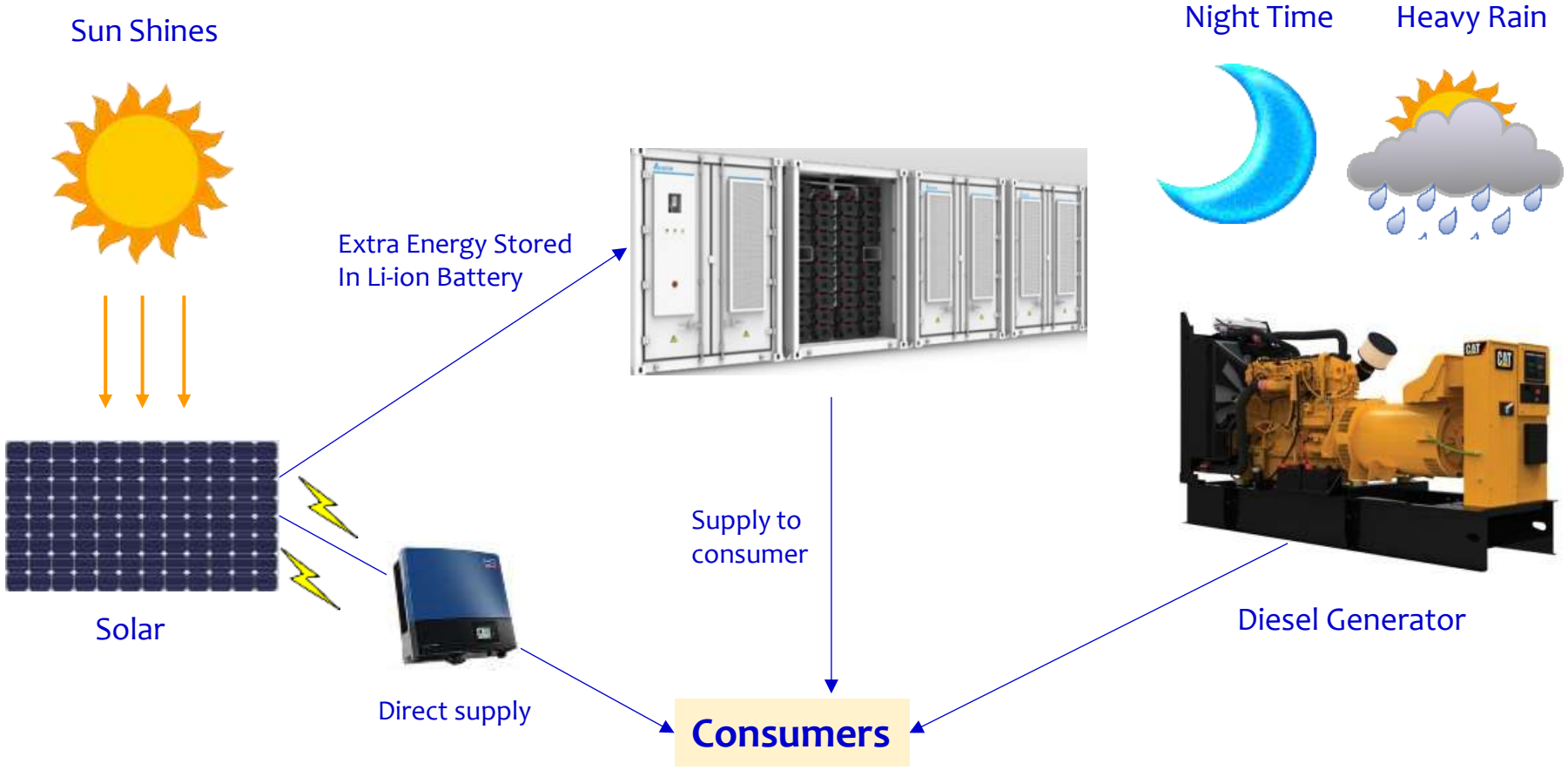
Under three (3) signed agreements, the Consortium will invest over USD 35M to energise over 11,500 households and empower 50,000 residents and at least 400 small local businesses through 24 microgrids, spread over 20 barangays in 10 municipalities across the country; twenty (20) microgrids are in Palawan; two (2) microgrids in Cebu and; two (2) microgrids in Quezon.

Milestones



Hybrid Electricity

As much Solar as possible by using a Battery Energy Storage System



Solar, Li-ion Battery and Diesel Gensets provide affordable cleanest possible 24x7 electricity!

Sabang Renewable Energy Corporation

Agriculture and Energy Go Together!

Converting existing non- productive land to produce clean electricity and food


SOON THIS

UNSERVED AND UNDERSERVED AREAS FOR 3RD ROUND OF MGSP-CSP

DISTRIBUTION UTILITY	NUMBER OF LOTS	NUMBER OF AREAS	NUMBER OF HOUSEHOLDS
Unserved Areas			
CANORECO	4	15	1,038
NOCECO	10	42	2,589
PALECO	17	17	4,760
QUEZELCO II	1	1	295
Underserved Areas			
MASELCO	4	4	1,334
NPC/SAMELCO I	1	2	234
NPC/ZAMCELCO	3	3	1,751
PALECO	1	1	393
Grand Total	**41**	**85**	**12,394**

To reach the 100% total electrification, the DOE offers initial 85 unserved and underserved areas to interested and qualified bidders.

Our Operating Environment and Partnerships

Set Up for Excellence in Renewable Energy Solutions and Power Grids

Technology Partners

WEnergy Global Powering Change

TEPCO Power Grid

Investment Partners

CleanGrid Partners

Mahanlika Clean Power Holdings Corporation

WEnergy Global Powering Change

Innovation Partners

TU Delft

Tuck at Dartmouth

Banking / Financing

DBP

BDO

UnionBank Business Banking

UOB

LANDBANK

Legal / Management

PJS Law Puyat Jacinto & Santos

P&A Grant Thornton

INFINITUS Law Corporation

ICMG

UMBRA

Branding & Marketing

Ogilvy

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