

Regulating the Philippine Electric Power Industry



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ERC Commissioner

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(APER) Forum**

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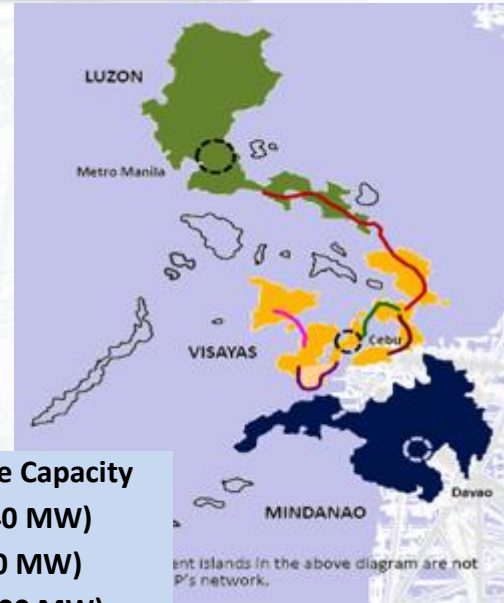
PHILIPPINE POWER SYSTEM



Power System

Grid

- **Luzon**, **Visayas** and **Mindanao** grids
- Connected to main transmission backbone



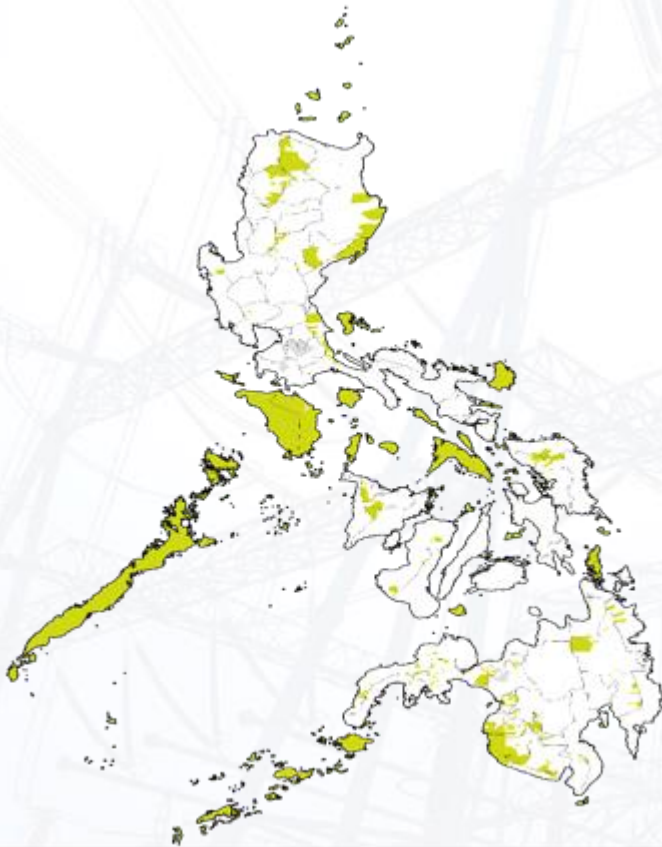
Interconnection Line Capacity

- Leyte-Luzon (440 MW)
- Leyte-Cebu (400 MW)
- Cebu-Negros (200 MW)
- Negros – Panay (200 MW)
- Leyte-Bohol (100 MW)

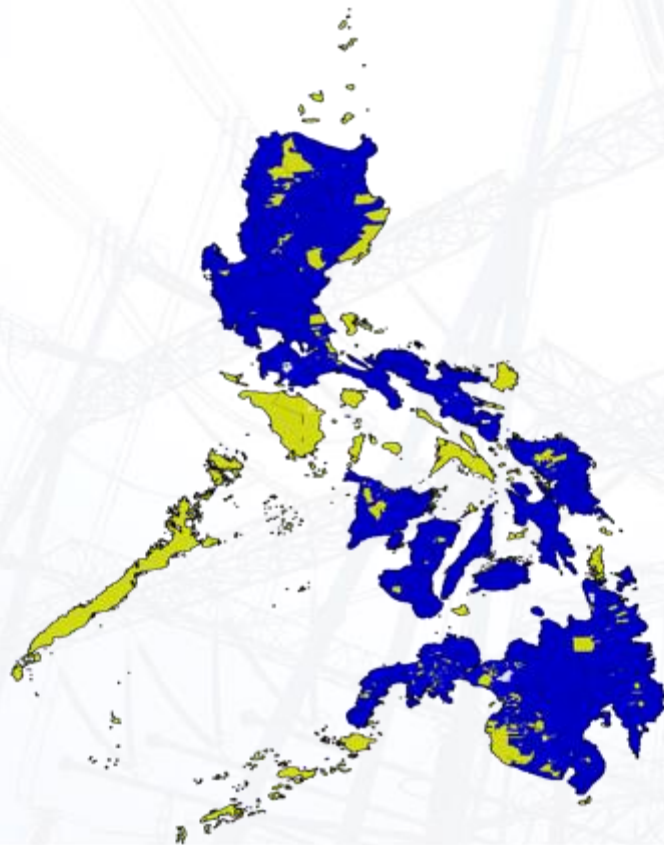
Power System

Off-Grid

- Missionary areas
- Also known as Small Islands and Isolated Grid (SIIG)
- Power supplied by NPC SPUG and Private Sector (New Private Provider and Qualified Third Party)



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Power System

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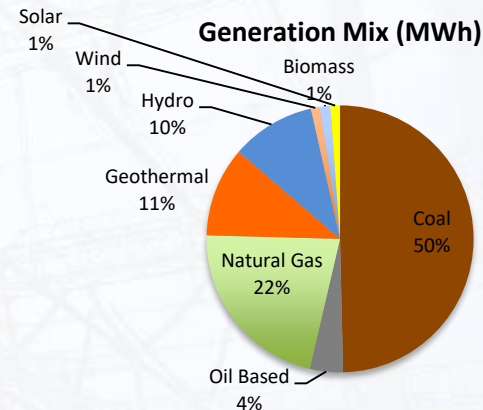
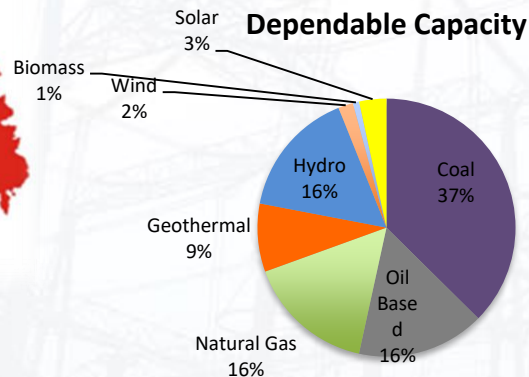
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PHILIPPINE GENERATION MIX



FUEL TYPE	Capacity (MW)	Generation Mix (MWh)
Dependable		
Coal	7,674	46,847,274
Oil Based	3,286	3,787,093
Natural Gas	3,291	20,547,239
Renewable Energy	6,264	23,188,734
Geothermal	1,752	10,270,077
Hydro	3,269	9,610,799
Wind	383	1,013,148
Biomass	160	1,201,152
Solar	700	1,093,558
TOTAL	20,515	94,370,340



Source: List of Existing Power Plants as of 31 December 2017, released Feb 2018

Electric Power Industry Reform Act (EPIRA) of 2001

- Provided the framework for restructuring of the electric power industry, including the privatization of the government assets and the transition to the desired competitive structure

Renewable Energy Act of 2008

- Accelerate the development of the country's renewable energy resources by providing fiscal and non-fiscal incentives to private sector investors and equipment manufacturers / suppliers

ERC's MANDATE



Sec. 38 –
Independent
Quasi-judicial
Regulatory Body.

Sec. 41 –
Promote
Consumers'
Interests

Sec. 43 – Promote
Competition,
Encourage Market
Development, Ensure
Customer Choice and,
Penalize Abuse of
Market Power in the
Restructured
Electricity Industry.

**Setting of Rates and
Standards**
(Quasi-Judicial &
Quasi-Legislative)

**Monitoring and
Enforcement**

**Consumer
Protection**

**Promote
Competition**

STAKEHOLDERS & EXISTING MANPOWER COMPLEMENT



Stakeholders

- **19.9M++** Consumers
- **140** Distribution Utilities
- **1** Transmission Utility
- **192** Generation Companies
- **1844** Contestable Customers
- **30** Retail Electricity Suppliers



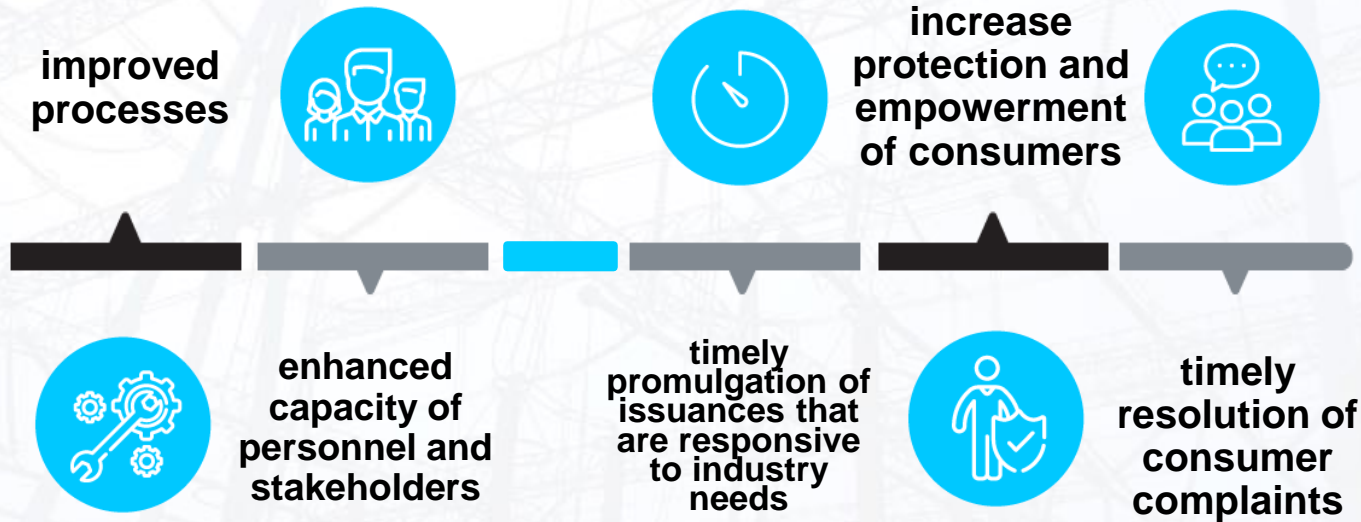
Existing Complement

7 Services
26 Divisions
1 Main Office, **2** Field Offices
246 Employees

ERC's MAJOR THRUSTS



The strategic thrusts of the Commission is to improve stakeholder relationship thru:



ERC's MAJOR PROGRAMS



ERC ON WHEELS

*“Ilapit ang **ERC** sa mamamayan”*



1. CONSUMER Hour
2. STAKEHOLDERS Information Awareness Activity
3. CARAVAN para sa Kapakanan ng Mamamayan
4. REGIONAL Consumer Welfare Desk Training
5. CONSUMER Group Dialogues

ERC ACADEMY

*“Pagpapaunlad ng **KAMALAYAN, KAALAMAN** at **KAKAYAHAN** sa industriya ng kuryente.”*



ERC Academy shall allow for standardized design, delivery, and review and improvement of training programs designed for ERC staff, other energy industry players, consumer advocates, and media practitioners who cover the energy industry

“Automating Process for Transparency and Accountability towards Excellent Results”



1. *Automation of Filing of Applications*
2. *Electronic Compilation of Data*
3. *Ease in Comparison of Data submitted in Different Cases by the Same Entity*
4. *Facilitate Generation of Reports for Pre and Post Analytics of Regulatory Policies*
5. *Modified Paperless Internal System*

ERC ON EMERGING TECHNOLOGY



ERC ON EMERGING TECHNOLOGIES

As a regulator, ERC endeavors to constantly update its rules and enhance the technical competency of its personnel on emerging technologies in the power sector

- Regulated Solar Home System (SHS) for Rural Electrification
- Distributed Energy Resources and Microgrid Systems
- Battery Energy Storage System (BESS)
- Advance Metering Infrastructure (AMI)
- Rules on Electronic Billing (e-billing)
- Net Metering

ERC ENABLING ELECTRIFICATION



*Creation of Specialized Task Force who will resolve with **dispatch applications of QUALIFIED THIRD PARTIES (QTPs) and NEW POWER PRODUCERS (NPPs)** in unserved and unviable communities.*

“On-time issuance of **AUTHORITY TO OPERATE (ATO) will not only enable QTPs and NPPs to *provide electric service* **but also spur economic growth to these communities**”**

#PowerforthePeople



ERCgovPH



Thank you.