Policy and Regulatory Framework

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“There is hereby created an independent, quasi-judicial regulatory body to be named the Energy Regulatory Commission (ERC).”

- Sec. 38 of The Electric Power Industry Reform Act of 2001 or the EPIRA
### Generation Companies
- **581 Power Plants**
  - **286 On Grid**
  - **295 Off-Grid**

### Transmission Concessionaire
- **1 Concessionaire**
- **22,111 Circuit Kilometers of Transmission Lines**
- **40,051 MVA Sub-station Capacity**
- **₽357.7B Total Equity**

### Distribution Utilities
- **141 Utilities**
- **₽160.4B Net Property in Service of Electric Cooperatives & Capital Stocks of Private Distribution Utilities**

### Retail Electricity Suppliers
- **119 Suppliers**
- **44 RES**
- **28 Local RES**
- **47 Supplier of Last Resort**

### WESM Participants
- **376 Participants**
- **288 intervals per day in 5 minute-market**

### Industry
- **₽630 Billion Total Equity**
- **₽7.6 Trillion Total Equity**
- **330 Employees**
  - **34 Management**
  - **196 Technical**
  - **100 Administrative**

### Philippine Energy Plan
- **2020-2040 Target Investments**
Electric Power Industry in Transition – Evolving Landscape, Evolving Mandates

- Climate Change
- Journey to energy independence and sustainability
- Chasing Affordability
- Intermittent RE technologies that have reached grid parity
- Innovative technologies to address intermittency
- Price volatility
- Participation of demand side

Electricity Industry should...

COPE
ADAPT
TRANSFORM

To enable...

REAL CONSUMER CHOICE:
ENERGY DEMOCRACY
PH Power Industry Transition: Pursuing Parallel Tracks

Increase Supply
(Security, Reliability & Diversity)

Manage Demand
Increasing Supply
(Security, Reliability & Diversity)

- Feed-in Tariff Program
- Power Supply Agreements
- Green Energy Auction Program
- Renewable Portfolio Standards

IS THE GRID READY?
Managing Demand

- Energy Efficiency
- Net Metering Program
- Green Energy Option
- Distributed Energy Resources

IS THE GRID READY?
Energy Transition – Industry Transformation

1. Conventional scenario
   - Large-scale generation
   - Transmission
   - Distribution
   - End-User

2. Emerging scenario
   - Large-scale Renewables
   - Baseload
   - Transmission
   - Distribution
   - End User Self Generating Consumer

RISE OF PROSUMERS
- Aggregators/Distributed Energy Resource/Net-metering

Source: Energy Transition – Industry Transformation

Source: IRENA International Renewable Energy Agency
Thank you!

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