Impact of COVID-19 in RE Development: PHILIPPINES

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2019 Power Demand and Supply Snapshot

Peak Demand
15,581 MW

Capacity
Installed - 25,531 MW
Dependable - 22,736 MW
Available - 16,606 MW

Electricity Sales and Consumption
106,041 GWh

Newly Operational Installed Capacity
1,674 MW

Gross Generation
106,041 GWh

Power Project Capacity
Committed - 5,767 MW
Indicative - 42,815 MW

HH Electrification Level
92.96%
(December 2019)

Source: 2019 DOE Power Demand and Supply Highlights
Impacts of COVID-19 Pandemic..

- Disruption in the Economy and Education Sector
- Social Stress and Uneasy Adjustment under the New Normal
- Fiscal Strain on National and Local Government
- Altered Energy Supply and Demand

+ New Business Practices and Models
+ New Lifestyle and Culture of Caring under the New Normal
+ Fiscal Diligence
+ Renewable Energy Opportunities
Performance of RE Facilities

Actual RE Generation (MWh): March to August 2019 vs March to August 2020
Energy Sector Response ...

Recognized Energy Workers as Essential Workers /Front Liners in the fight against Covid-19

Allowed the use of ER 1-94 fund previously dedicated to environment, livelihood and electrification projects to be used for LGU projects to manage the pandemic

Encouraged RE Project Developers to accommodate displaced workers under the “Balik Probinsiya” (Back to the Province) Program and maximize hiring of local labor to help decongest urban areas

Photos courtesy of EPIMB. Thank You!
Energy Sector Response ...

Accelerated the campaign for investment in the RE Sector, e.g. Geothermal Energy Development / Moratorium in Coal-Fired Power Projects

Sustained Implementation of RE Market Policy Mechanisms
- Renewable Portfolio Standards
- Green Energy Option Program
- Green Energy Auction Program
- Enhanced Net Metering for RE

Promote Productive Use of Renewable Applications (PURE). e.g. food preservation, Solar PV systems in health centers, food security, education and livelihood opportunities.

Photos courtesy of EPIMB. Thank You!
<table>
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<th>Company</th>
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| NPC     | - Php 4.165 Billion remitted to BTr  
          - 20 volunteers in mega swabbing centers |
| NEA     | - Php 1.35 Billion remitted to BTr  
          - Discontinued programs amounting to Php 295 Million for COVID-19 relief  
          - 9 Circulars issued  
          - 3 volunteers in mega swabbing centers |
| PNOC    | - Php 5.0 Billion remitted to BTr  
          - Php 5 Million allocated for health, safety & food aid projects  
          - Donated surgical masks, food packs, bread and sacks of rice to frontliners and hospitals |
| PSALM   | - Php 4.0 Million royalty shares disbursed  
          - 185 patients housed in Bagac property (171 were discharged) |
| PNOC EC | - Php 2.0 Billion remitted to BTr  
          - Donated thermal scanners, face masks, goggles and gloves to Phil. Army |
| TransCO | - Php 7.5 Million donated to Lung Center of the Philippines  
          - 42 frontliners being housed in property and provided with daily food packs  
          - Donated PPEs, vitamins, alcohol and face masks to hospitals |
RE Market Development Support Mechanisms

1. GENERATION
- Feed-In-Tariff (FIT) System
- Renewable Portfolio Standards (RPS) / Green Energy Auction Policy (GEAP)
- Bilateral Contracting

2. TRANSMISSION

3. DISTRIBUTION
- Net Metering
- Green Energy Option Program (GEOP)
- Own-Use Scheme

4. RETAIL/SUPPLY
- Distributed Energy Resource System
**Way Forward: RE Sectoral Roadmap**

1. **ACCELERATE RE POSITIONING**

2. **CREATE AN ENVIRONMENT CONducIVE BUSINESS/INVESTMENTS**

3. **RELIABLE AND EFFICIENT INFRASTRUCTURE**

4. **PROMOTE AND ENHANCE RD&D AGENDA**

5. **STAKEHOLDERS ENGAGEMENTS AND INFORMATION, EDUCATION CAMPAIGNS**

**2018**

*INCREASED RE INSTALLED CAPACITY TO AT LEAST 20,000 MW*

**2040**
Committed and Indicative Power Projects (as of December 2019)

**TOTAL COMMITTED CAPACITY = 5,691 MW**

- **Coal**: 4,126 MW (72%)
- **Renewable Energy**: 501 MW (9%)
- **Natural Gas**: 650 MW (11%)
- **Oil Based**: 415 MW (7%)

**TOTAL INDICATIVE CAPACITY = 42,837 MW**

- **Coal**: 10,463 MW (24%)
- **Hydro**: 5,135 MW (12%)
- **Solar**: 11,798 MW (28%)
- **Biomass**: 284 MW (1%)
- **Natural Gas**: 8,758 MW (20%)
- **Wind**: 3,756 MW (9%)
- **RE**: 21,469 MW (50%)
- **Geothermal**: 497 MW (1%)

Source: DOE-EPIMB
Enabling Policies and Laws for Investors

- **Executive Order No. 30** Creating the Energy Investment Coordinating Council in order to Streamline the Regulatory Procedures affecting Energy Projects

- **Republic Act No. 11032** Ease of Doing Business Act of 2018

- **DC2019-10-0013** Omnibus Guidelines Governing the Award and Administration of RE and the Registration of RE Developers

- **Republic Act No. 11234** Energy Virtual One-Stop Shop (EVOSS) Act
  - Department Circular No. DC2019-05-0007 (Implementing Rules and Regulations)
Updates on Renewable Energy Policies and Investments

Thank You!

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