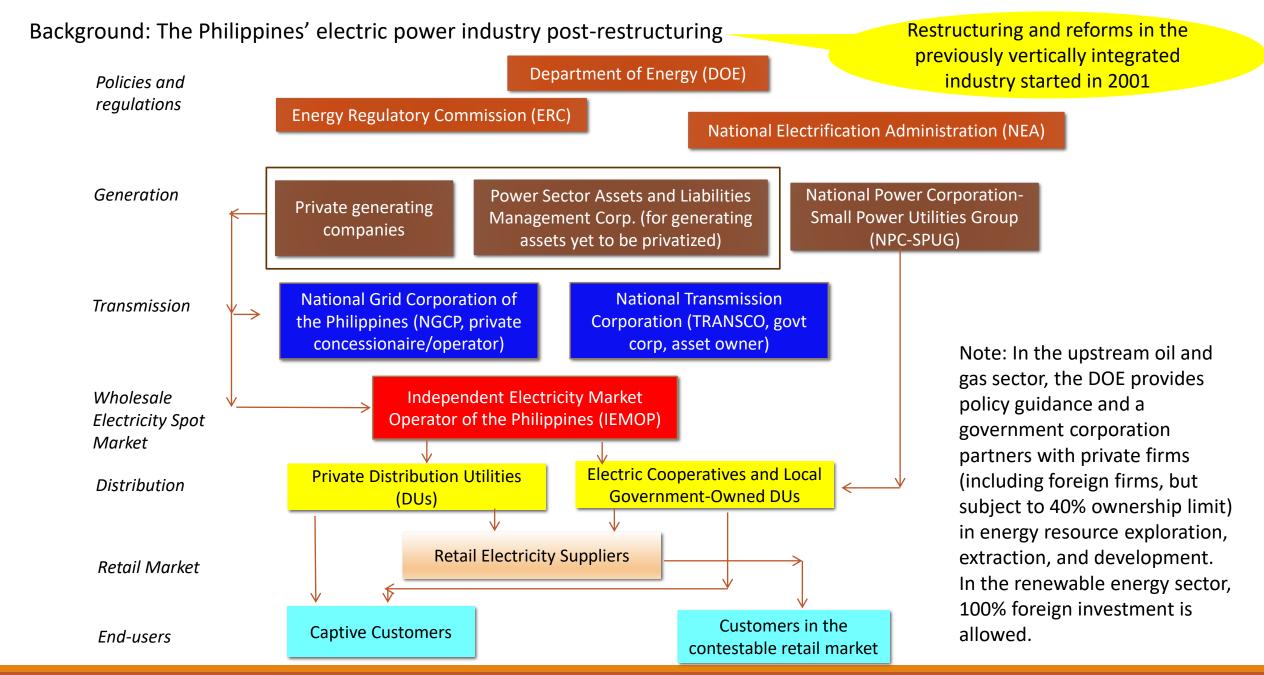
Digitally enabled decarbonization in the Philippines' energy sector

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Energy sector policies and programs supporting digitally enabled decarbonization

- Electric Power Industry Restructuring Act of 2001
- Renewable Energy Act of 2008
- Renewable Portfolio Standard
- Green Energy Auction
- Green Energy Option Program
- Renewable Energy Market
- ERC rules on net metering, spot market operation, retail market operation
- DOE's circulars on renewable energy investments, battery energy storage systems, smart grid framework formulation



Examples of private sector-led digitally enabled decarbonization

All players in the renewable energy market:

- Green Energy Auction Program: use of auction in determining the lowest feed-in-tariff for renewable energy developers; is increasing the share of renewables in electricity generation and use
- Parameter Renewable Energy Market: digitally enabled renewable energy certificate registration and trading; in the interim stage, preparations ongoing for full commercial operation; will increase the share of renewables in electricity generation and use

End-users, especially those in industries that need to comply with renewable portfolio standards:

From renewable energy developers that are qualified as retail suppliers

Distribution utilities:

Net metering (which accommodates user-owned solar PV systems); use of AI, automation, and virtual laboratories (e.g., Meralco's Powertech Innovation and eXperience Lab)

Generating companies with cross-owned distribution utilities:

digital substations (e.g, Davao Light, a DU), power plant control centers (e.g., HEDCOR's centralization for its portfolio of hydros), battery storage systems, robotic process automation (software robots) in utility operations





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Thank you!

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