



Philippines

Deep Transition and Integration of Power and Transport Systems

APEC project EWG 10 2018A
Low Emissions Development Strategies: Supporting the Transition to
Energy-Efficient, Electric-Transport Systems



Introduction

- Introductions of economy representative/team members:
 - Crispin Diaz, School of Urban and Regional Planning, University of the Philippines, educating planners in government and private sector

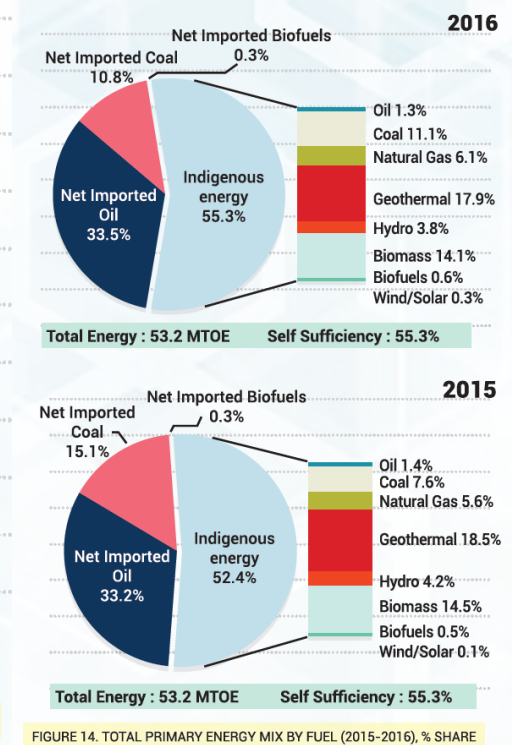
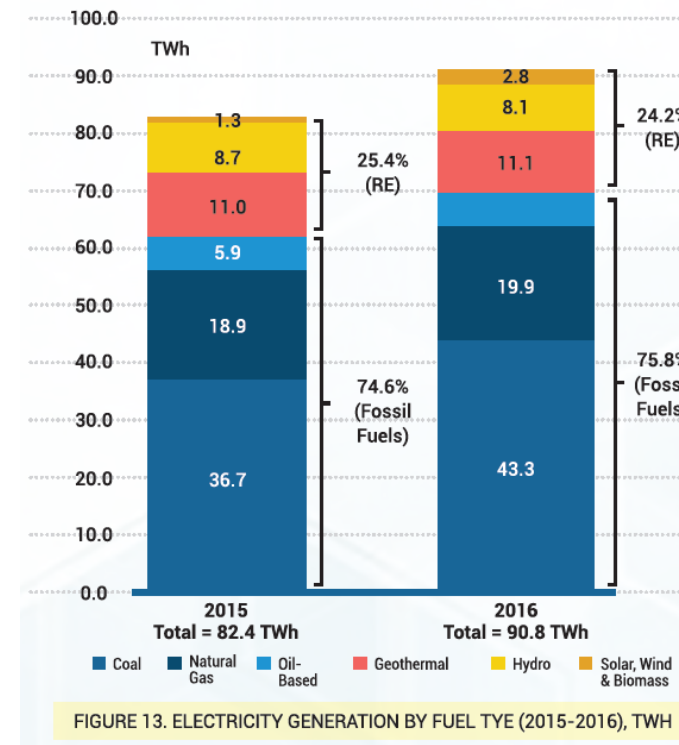
Current status of electricity and transport systems in the Philippines

- Key current trends

- Electricity generation
 - Renewables about a 25% share
 - Overall fossil fuels growing share and amount
- Total GHG emission related to energy increased by 10 % in 2016, compared to previous year.
- Transport trends
 - Growth of motor vehicle registrations (11% in 2018vs2017, about 9% 2019vs2018)
 - 69,145 units e-vehicles in 2017

- Main challenges

- Cost of e-vehicles (local production vs. imports)
- Supply issues related to manufacture and replacement parts
- Establishing charging stations
- Registration process of electric vehicles and regulations
- Increasing renewable sources for electricity generation



PHILIPPINE ENERGY PLAN 2017 - 2040 : Energy Supply and Demand Outlook

Vision and goals for sustainable energy and transport

- Key goals: energy security/independence; clean, sustainable, efficient energy; reliability and stability
- Overarching strategy: integration of processes agencies/authorities that need to work together
- Key policies and measures
 - Senate Bill No. 2137 – National Energy Policy and Regulatory Framework for the Use of Electric and Hybrid Vehicles and the Establishment of Electric Charging Stations
 - National Transport Policy (NEDA) – public transport prioritized
 - PUVM – Public transport vehicle modernization program (includes electric options)
 - Reorganization of the public transport Industry; support for operator companies/cooperatives
 - Support for local manufacturers
- (some) Pilot projects or concrete policies for electric transport and energy integration
 - Various Philippine National Standards for Electric Vehicles
 - Modified import duty on components, parts
 - Guidelines on registration of electric vehicles
 - Establishment of Charging Stations
 - DOE E-Tricycle Program (to replace 100,000 tricycles with e-trikes)

Setting expectations

- What would really move our economy forward?
 - Better balance between local and imported inputs to electric vehicles manufacture
 - Greater share of renewable energy sources for generation of electricity
 - Emphasis on public transport and low-carbon transport and urban design
- What will make this conference a really valuable use of our time?
 - Knowledge transfer, networks for learning and research to tap.
- What am I bringing to the conference?
 - An open mind + desire to improve the environmental impact of the transport system in the Philippines
- What do I expect to take away from it?
 - Frameworks for analysis and integration; methods for evaluation