



# National Policy Review on Energy

## Climate Change Commission Resolution No. 2016-001

- Commission Resolution No. 2016-001, mandated the CCC to lead an “urgent and comprehensive” review of the government’s energy policy, through a whole-of-nation approach, in accordance with a low carbon development pathway and national goals and targets for climate change mitigation and adaptation, disaster risk reduction and sustainable development;
- The resolution also ordered the Department of Environment and Natural Resources (DENR), the Department of Energy (DOE) and the National Economic Development Authority (Neda) to harmonize policies and regulations on new and existing coal-fired power plants and assess their impact on the environment, as well as include low-carbon development and climate change adaptation and mitigation strategies in the formulation of all national and local development plans.

# Ambitions to achieve a sustainable development path and the recent paradigm shift in modern energy systems call for a comprehensive energy policy review

- The **energy sector** is the **greatest contributor to national GHG emissions** and thus a key sector for decarbonization and reform
- Apart from securing sustainable development, the policy review intends to enable the Philippines to fully utilize the emerging benefits of the **international paradigm shift** in modern energy systems

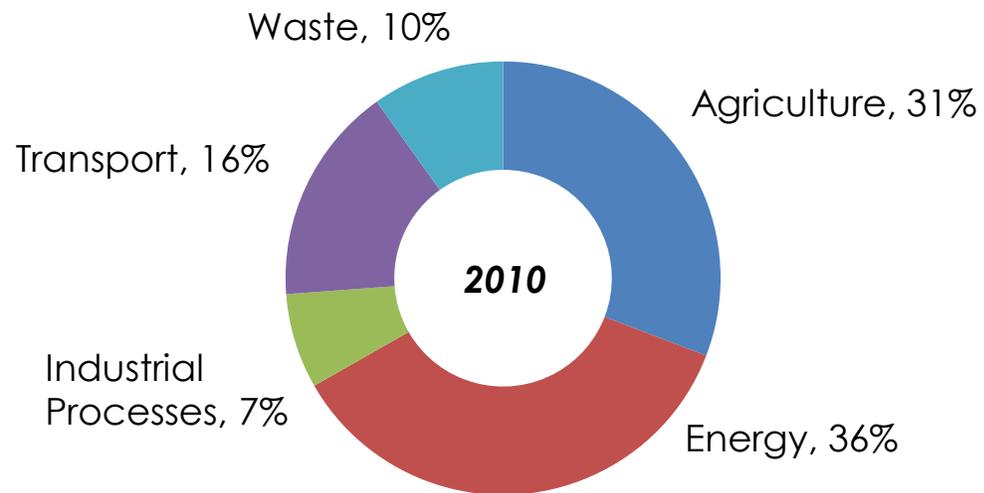


Figure 1: GHG emission contributions by sector in 2010

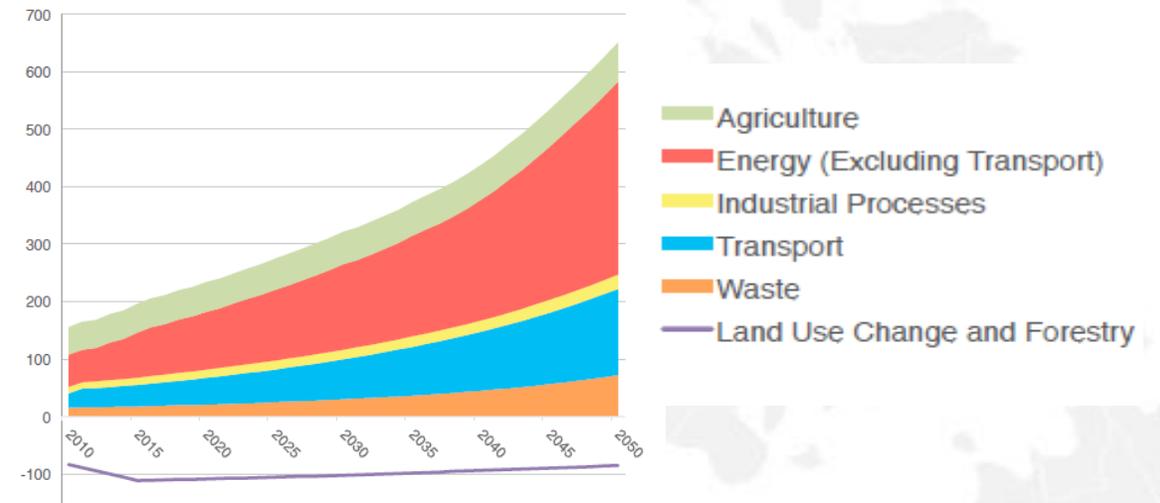
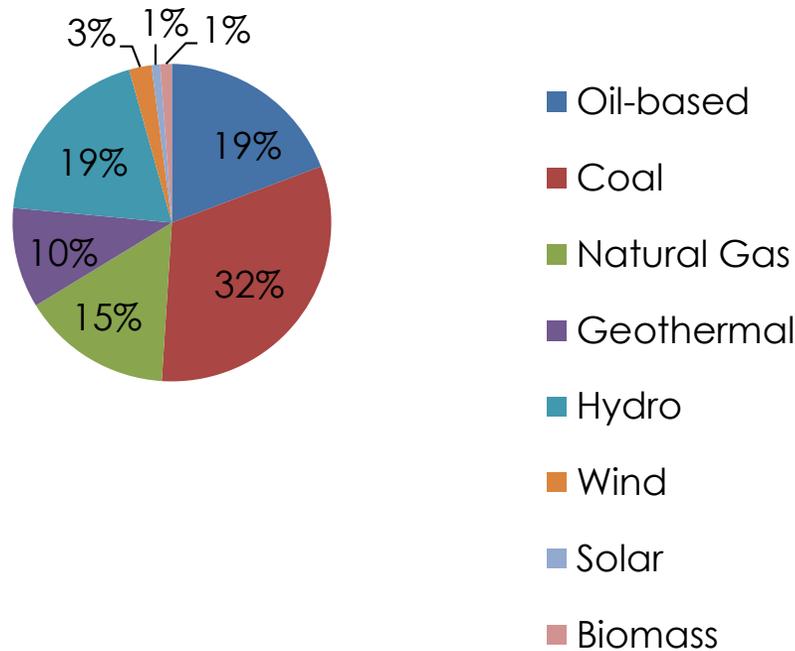


Figure 2: BAU emissions 2010-2050 in MtCO<sub>2</sub>e

# If climate change mitigation goals are to be achieved, significant changes to the current energy system are required

Installed Capacity = 18,765 MW



Gross Generation = 82,413 GWh

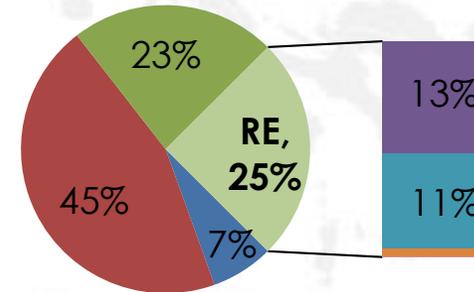


Figure 3: Installed capacity and gross electricity generation in 2015



The current project pipeline is heavily dominated by **new coal power plant investments**. If no action is taken, **emissions** are expected to **quadruple** until 2050.

While changes to the energy system are necessary to reach climate goals, they also provide great economic opportunities for the Philippines



# 10 major issues on the way to a sustainable energy future have been identified in the process of the energy policy review



## ***Integrated energy system planning***

1. National energy vision and electricity mix scenarios
2. Grid expansion planning
3. Energy access in rural areas



## ***Energy efficiency***

8. Mainstreaming energy efficiency

## ***Renewable energy development***

4. Renewable energy permitting process
5. Renewable energy support schemes
6. Defining „least cost“ electricity
7. Integrating fluctuating wind and solar

## ***Conventional electricity generation***

9. Establishing and implementing regulations to decrease environmental pollution of coal power plants
10. Prepare conventional technologies for changing operational requirements



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Thank you.

