



*Case Study: Advancing Cleaner
Fuels in the Philippines – With a
Focus on Multi-Stakeholder
Engagement*

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Description of the challenge

- motor vehicles are the main source of air pollution in the Philippines especially in Metro Manila and other highly urbanized centers
- roadside TSP monitoring data from 2004 to present, it is decreasing but still above the annual guideline value of $90 \mu\text{g}/\text{Ncm}$
- Impacts: Philippines has been estimated to spend more than US\$400Million per year; 18 Million Filipinos are exposed to air pollution, with corresponding health expenditures and lost income to Php 7.6 Billion/year; more than 50% of the medicines being bought or sold by drug stores in the country are for respiratory illnesses

Description of what was done

- DENR convened an Inter-agency Technical Committee
- Car manufacturers agreed to shift from Euro 2 to 4 emission standard subject to availability of EURO IV fuels (50ppm sulphur content both for gasoline and diesel fuel oils) nationwide
- the 2 oil manufacturers, with a total market share of around 60 % requested for at least 5 years to give time to retool or retrofit their existing refineries to produce EURO IV fuels
- DENR issued policy that effective January 1, 2016, Euro 4/IV emission standards for new motor vehicles subject to the availability of EURO IV fuels.
- Department of Energy mandated the sale of EURO IV fuels in all gasoline stations, manufacture and import nationwide effective 1 January 2016.

Description of outcomes

- The shift to Euro 2/II to Euro 4/IV emission standards and automotive fuel oils was successfully achieved because all stakeholders were part of the decision making process.
- Specific outcomes like improvement in air quality particularly in the metropolis could not yet be accounted for because was only implemented in 01 January 2016.

Advice for others

- The Government of Philippines enacted a number of actions to reduce ambient air pollution.
- These actions were done through a multi-stakeholder participatory approach to solicit ideas and comments from all stakeholders and made them part of the decision-making.
- acceptable solutions and win-win situations were achieved and implementation of actions/regulations will be successful and sustained.

Ability to be replicated elsewhere in Asia:

- This action has been successfully replicated in several other countries in Asia.

THANK YOU