

DECARBONIZING TRANSPORT SECTOR TO INCREASE INDONESIA'S CLIMATE CHANGE AMBITION MITIGATION



Total CO2 emissions in 2018

1 Transport sector contributes to total CO2 emissions



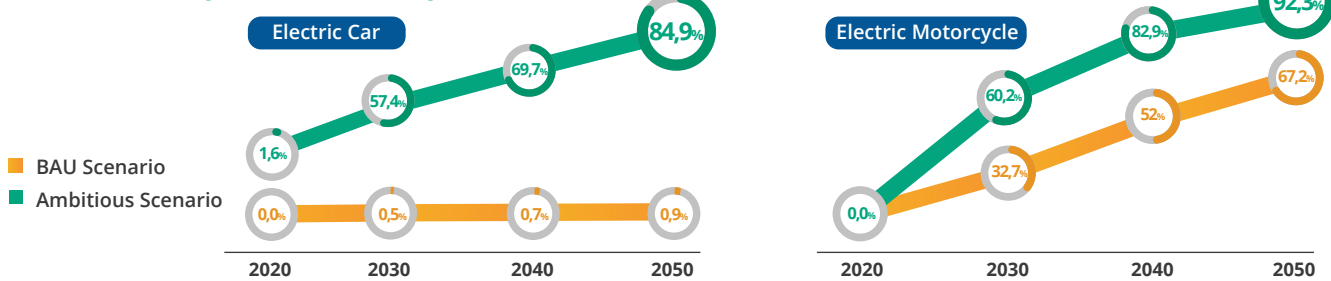
2 Electric vehicles could reduce CO2 emissions

Energy Efficiency

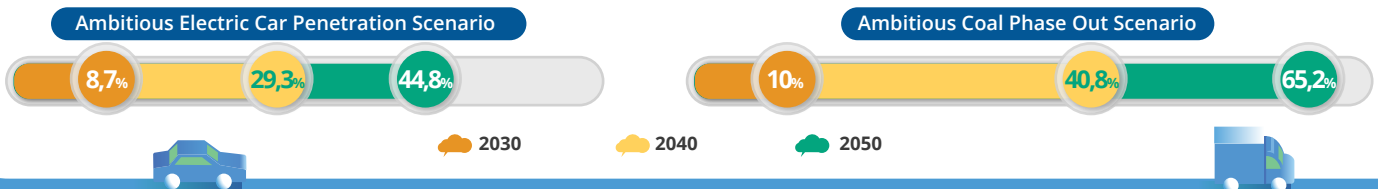


In the scenario that the electricity generation is fully decarbonized through the use of renewables, electric vehicle could be operated **without producing greenhouse gas emission**

3 By implementing supportive policies and regulatory framework, market share of electric cars could increase to 85%, while electric motorcycles to 92% by 2050



4 Greenhouse gas reduction from electric vehicles deployment could be higher if conditions are met



5 Policy Recommendation

- Increase **public charging infrastructure** investment, both by public and private funds.
- Provide purchase incentives like **tax exemptions** that can create electric vehicle competitiveness.
- Provide **non-financial incentives** for electric vehicle users such as road toll exemption, free-parking, and establishment of low emission zones.
- Establish a mandatory **fuel economy standard** to reduce transport emission.
- Increase **fuel price through fuel quality standard improvement** and carbon price.
- Put a **ban on the sales of conventional vehicles** for both passenger cars and motorcycles.