

# Mitigation scenario Bosnia and Herzegovina

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## Energy production

- ▶ First step is to replace existing thermal power plants (coal) until 2030 with new more efficient thermal power plant (coal). Existing power plant capacity is 500 MW and the new one will be 350 MW with supercritical steam parameters. Lacking energy capacity will be covered by smaller biomass fueled power plants total capacity 150 MW.
- ▶ Second step is to install new wind power plants with total production capacity of 20 MW until 2020 and 50 MW until 2050.
- ▶ Third step is to reduce transmission and distribution losses for 5% until 2020 and 20% until 2050.

## Household

- ▶ First step is to improve energy efficiency (new building facade) on old buildings for 10% until 2020 and 30% until 2050.
- ▶ Second step is to replace existing heating system (coal) with new solar system, biomass and with excess from power plants for 5% until 2020 and 50% until 2050.

## Transportation

- ▶ First step is to replace existing diesel busses with new CNG busses for 10% until 2020 and 50% until 2050.
- ▶ Second step is to increase electric cars for 5% until 2020 and 40% until 2050.

If none of this measures give us expected results we will consult VW for their solutions

