

# Vehicle efficiencies

This lever determines the vehicle efficiencies (fuel consumed per vehicle-kilometre) for all modes and vehicle technologies.

## **Level 1**

Level 1 assumes that all vehicle efficiencies do not change from their present values.

## **Level 2**

Level 2 assumes a 10% improvement in efficiency for light vehicles and a 5% improvement for buses and trains by 2050.

## **Level 3**

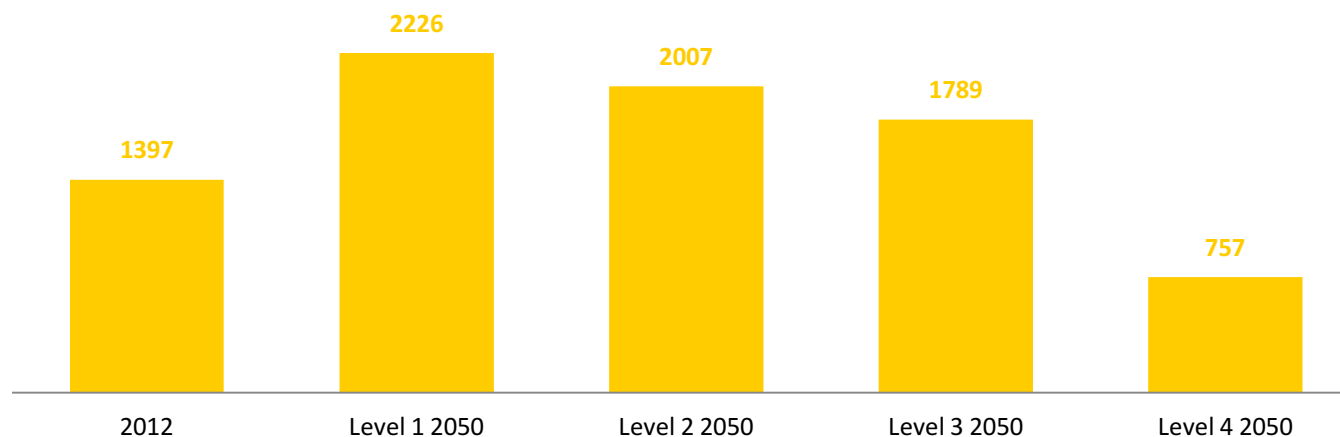
Level 3 assumes a 20% improvement in efficiency for light vehicles and a 10% improvement for buses and trains by 2050.

## **Level 4**

Level 4 assumes major efficiency improvements by 2050: around 70% for conventional light vehicles, 40% for electric cars, 30% for buses and trains.

## **Interactions with other levers**

Other transport levers determine how much travel is done by light vehicle, bus and train, and the uptake of electric vehicles. Biofuels are chosen separately as a supply option.



Energy demand for passenger transport, assuming Level 1 on all other levers (GWh/yr)