



European Commission

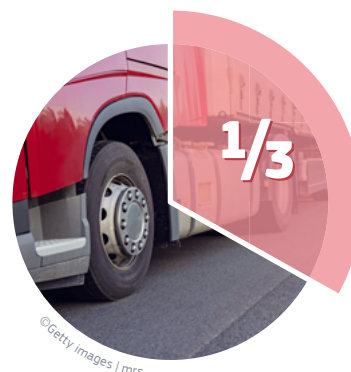
February 2023

# ZERO EMISSION TRUCKS AND BUSES TO REACH CLIMATE NEUTRALITY AND CUT AIR POLLUTION

Road transport is responsible for:



of total **EU greenhouse gas emissions**



of all final **energy consumed in the EU**

Heavy-duty vehicles (HDVs):



Carry **77%** of freight transported over land in the EU



Produce more than **25%** of road transport greenhouse gas emissions in the EU



Produce over **6%** of total EU greenhouse gas emissions



**99%** of the EU fleet runs on internal combustion engines and **imported fossil fuels**



**Emissions have increased** year-on-year since 2014 (except 2020 due to COVID)

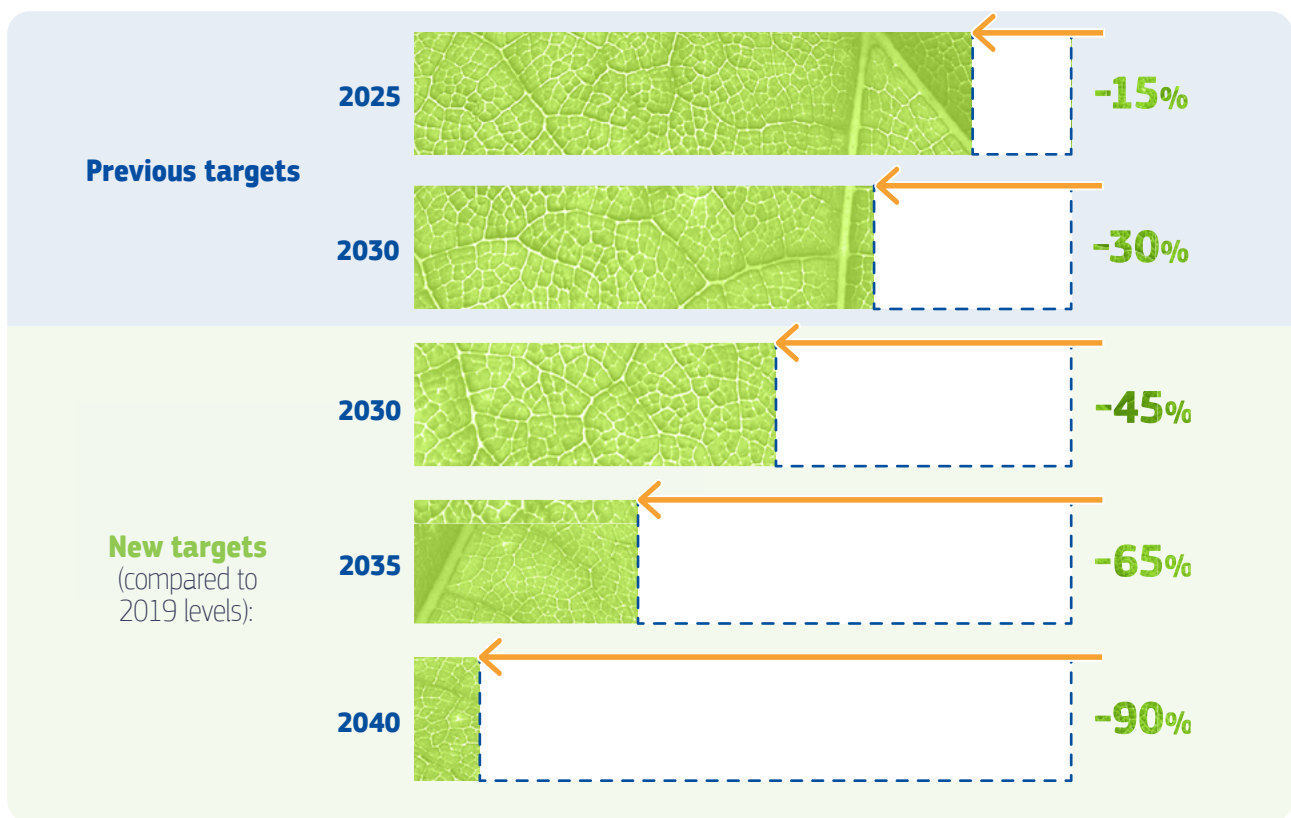
## WHAT DO WE NEED TO DO?

More ambitious **CO<sub>2</sub> emissions standards for new HDVs are crucial for the transition** to zero-emission mobility and achieving EU climate and zero-pollution goals.

The Commission proposes **stronger new CO<sub>2</sub> emission standards for these vehicles from 2030 onwards**, and wants to extend the scope to smaller trucks, city buses, long-distance buses, and trailers. Heavy trailers and semitrailers will have new energy efficiency standards.

This will **cover almost all** heavy-duty vehicles emissions.

### CO<sub>2</sub> emissions reduction targets for HDV



New **city buses** will be **zero-emission by 2030.**

## THE MAIN BENEFITS OF THE PROPOSAL:



**Decrease CO<sub>2</sub> emissions** from new HDV by 90% by 2040, with intermediate targets



**Help reach the EU's 2050 climate neutrality target** and boost zero-emission mobility



**Improve air quality and health of Europeans** by cutting the level of air pollutants, especially in towns and cities



**Lower the EU's energy dependency** on imported fossil fuels, and enhance energy savings and efficiency in the transport sector



**Provide a clear signal to industry** to pursue a zero-emission pathway, investing in innovative zero-emission technologies



**Reduce the cost of fuel and ownership** for transport operators and all users



Increase the share of zero and low-emission vehicles in the market and accelerate the **roll-out of recharging and refuelling infrastructure**



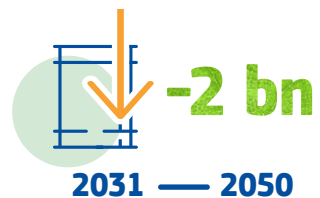
Strengthen the **technological and innovation leadership** of EU industry and **create new jobs**

## REDUCTION OF IMPORTED FUEL DEPENDENCY



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With these new standards, the **demand for fossil fuels is expected to decrease by around 2 billion barrels** of imported oil from 2031-2050, compared to the baseline.



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