

Opportunities for natural gas and biogas vehicles in freight

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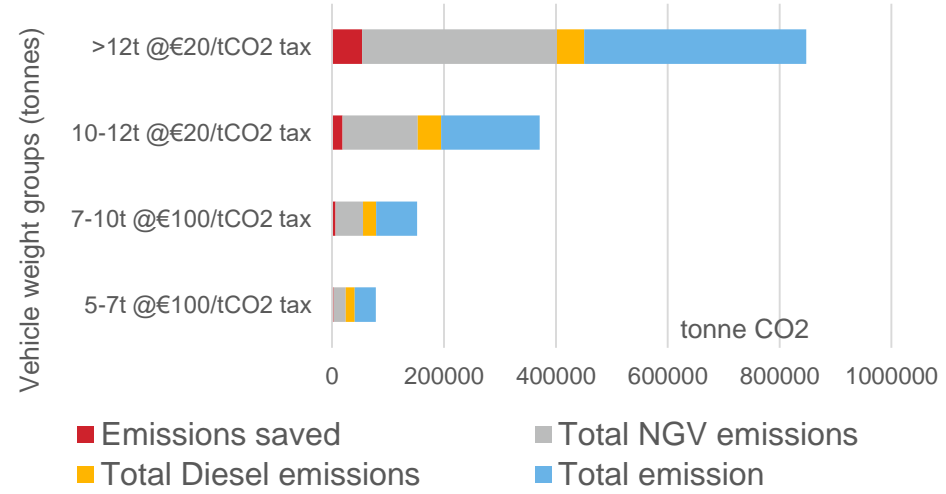
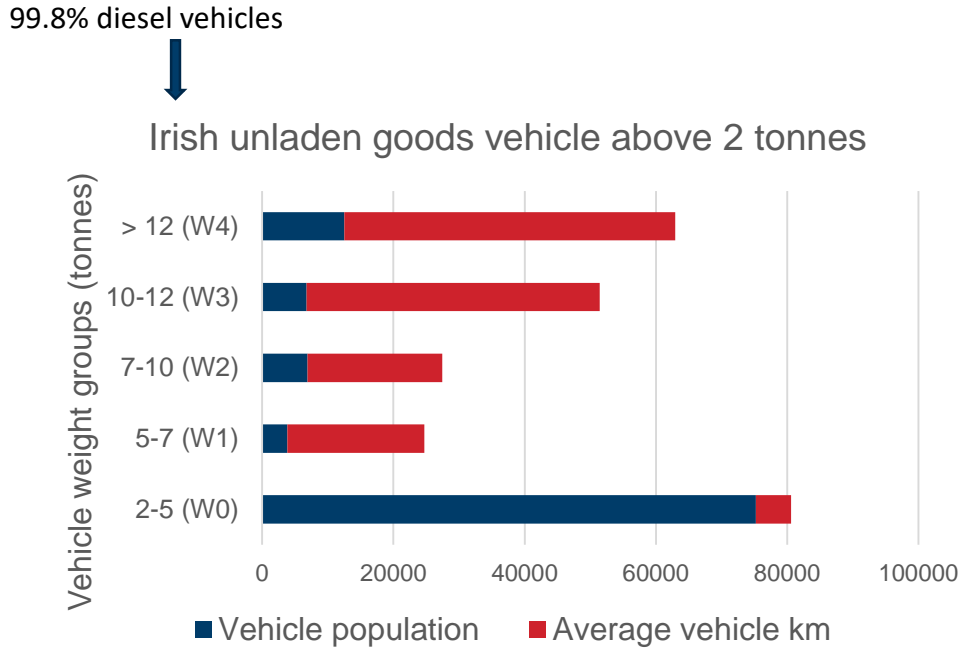
Our 2050 – Final-Project Event, Fitzwilliam Hotel, Dublin | Dec 10th 2018



Results (1)

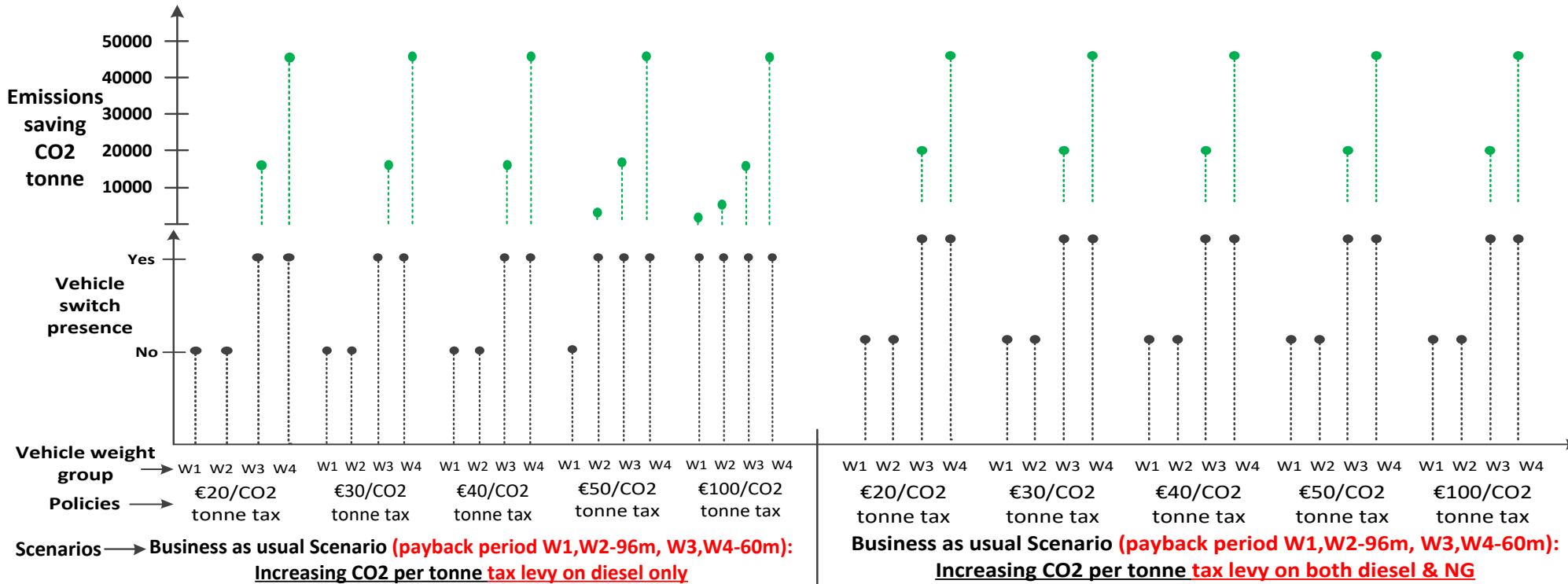
Approach & options to decarbonize road freight from 99.8% diesel vehicles

Vehicle switching rate → **CO₂ savings** →



Results (2)

Business as usual payback (BAU) scenarios – 2030 observation under increasing CO2 per tonne tax policy



W1-vehicle weight group 1(5-7tonne); W2-vehicle weight group 2(7-10tonne); W3-vehicle weight group 3(10-12tonne); W4-vehicle weight group 4(>12tonne)

Policy Insights

- Opportunity for Natural Gas Vehicles declines with reduction in vehicle weight category and kilometres travelled
- €20-€100 CO2 tax/tonne and or providing vehicle subsidy €0-€5000 increases vehicle switching
- Biogas substitution for natural gas improves CO2 savings by 81% with 100% blend.

