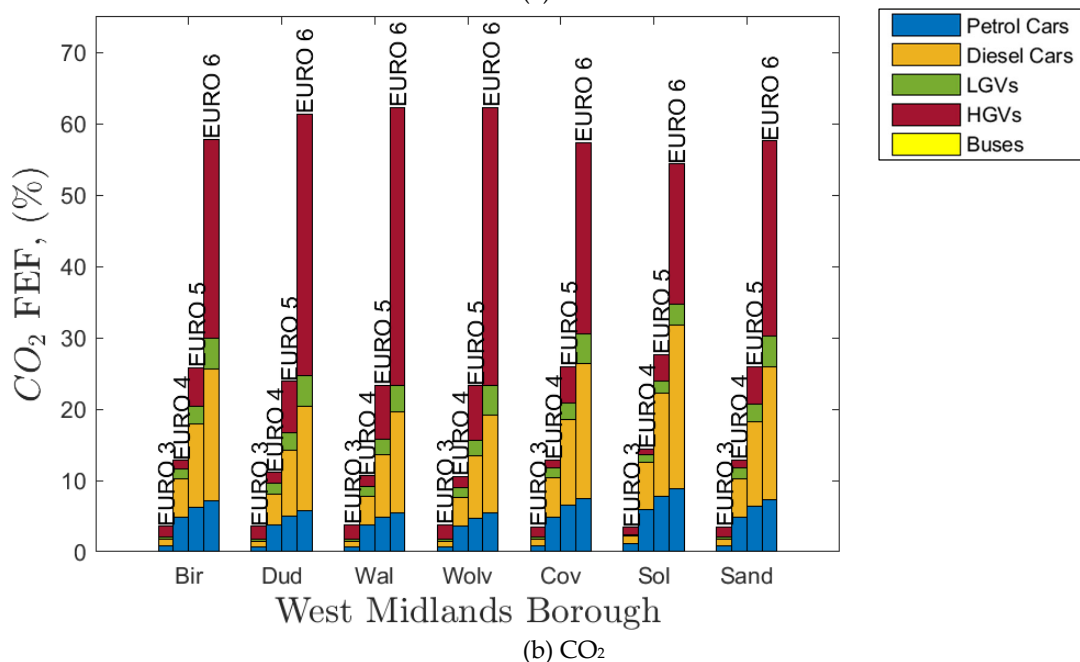
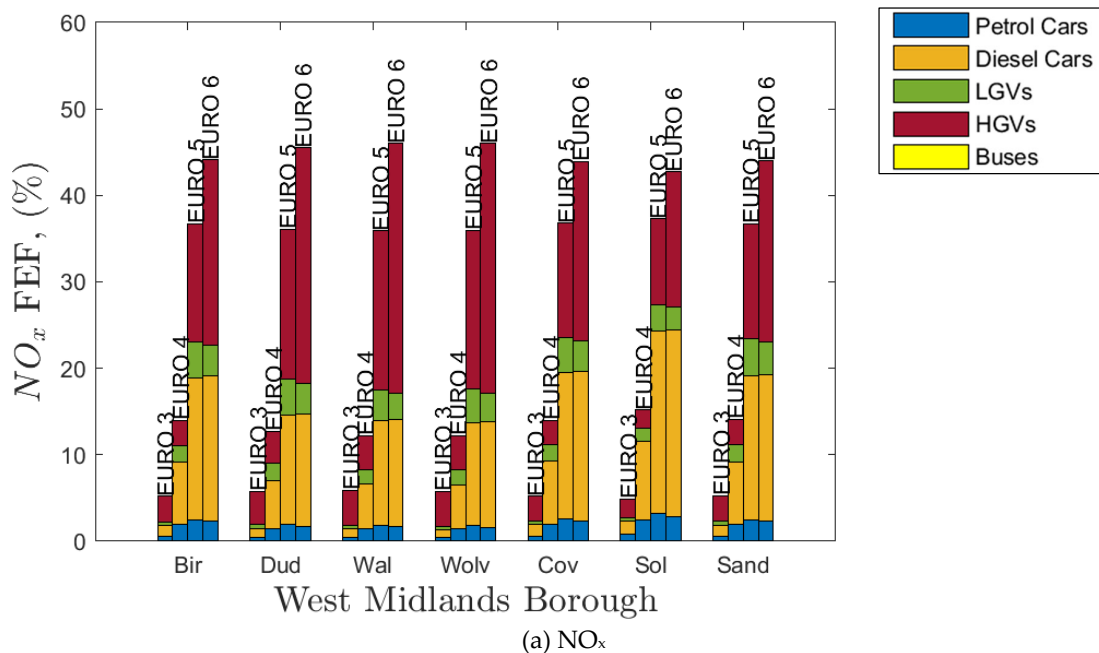


Supplementary Materials:

Real-World Contribution of Electrification and Replacement Scenarios to the Fleet Emissions in West Midland Boroughs, UK

Louisa K. Osei, Omid Ghaffarpasand, and Francis D. Pope*



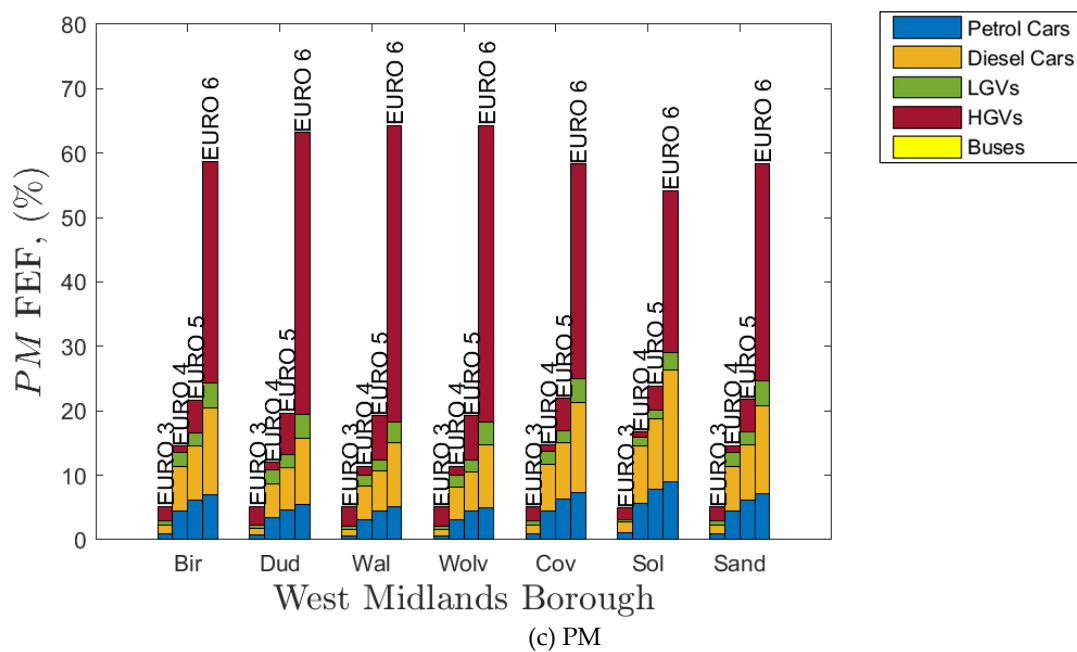
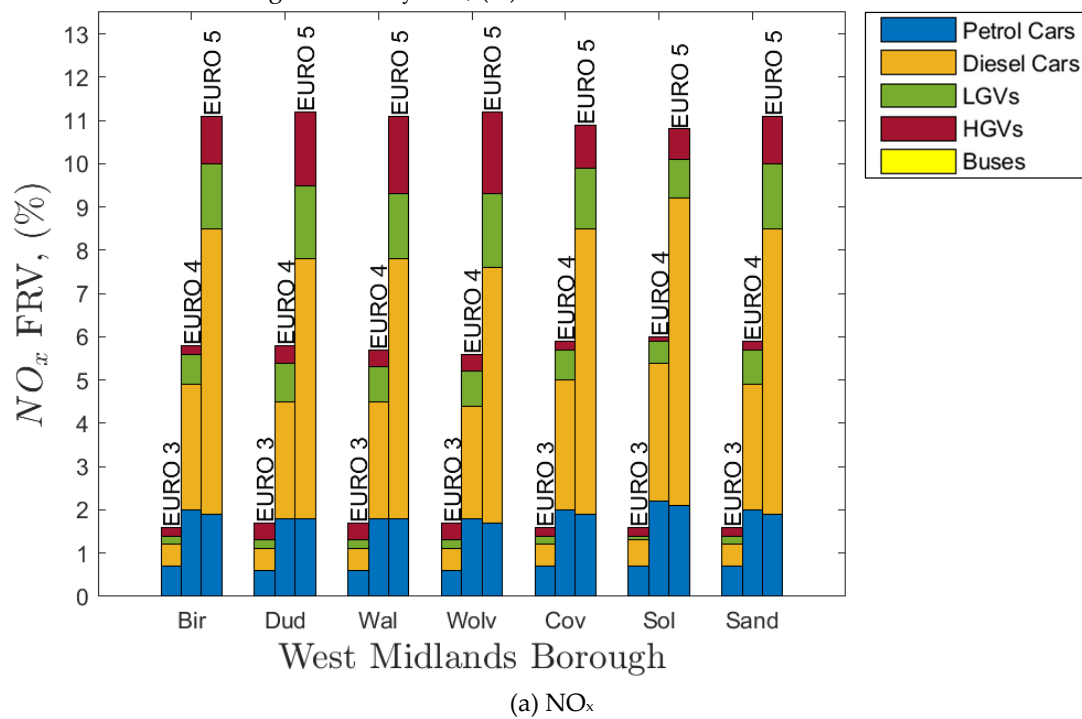


Figure S1. The effect of fleet electrification on motorway emissions of (a) NO_x, (b) CO₂, and (c) PM in West Midlands boroughs. On the y-axis, (%) is based on the total fleet emission.



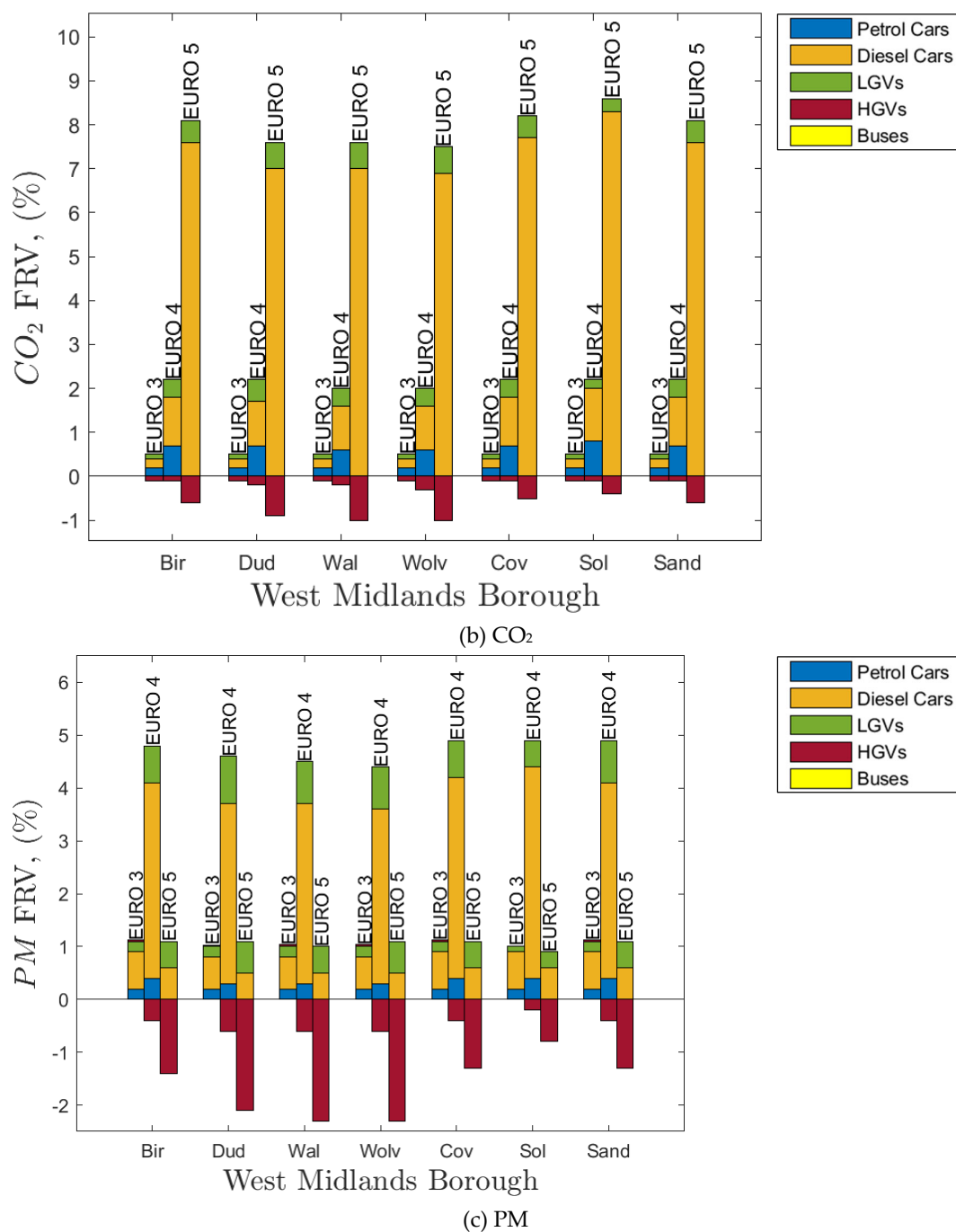
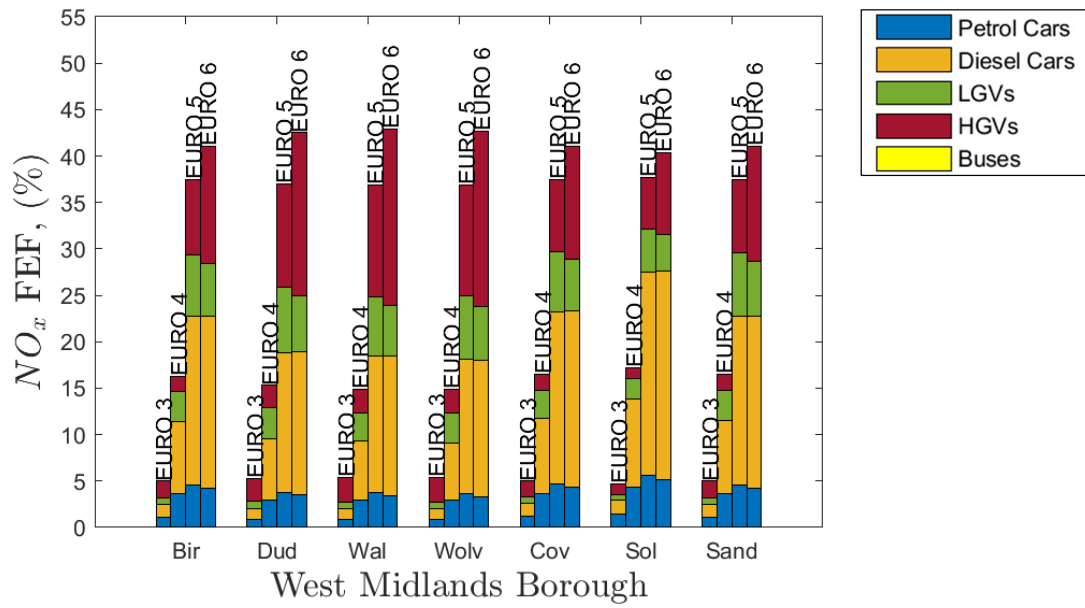
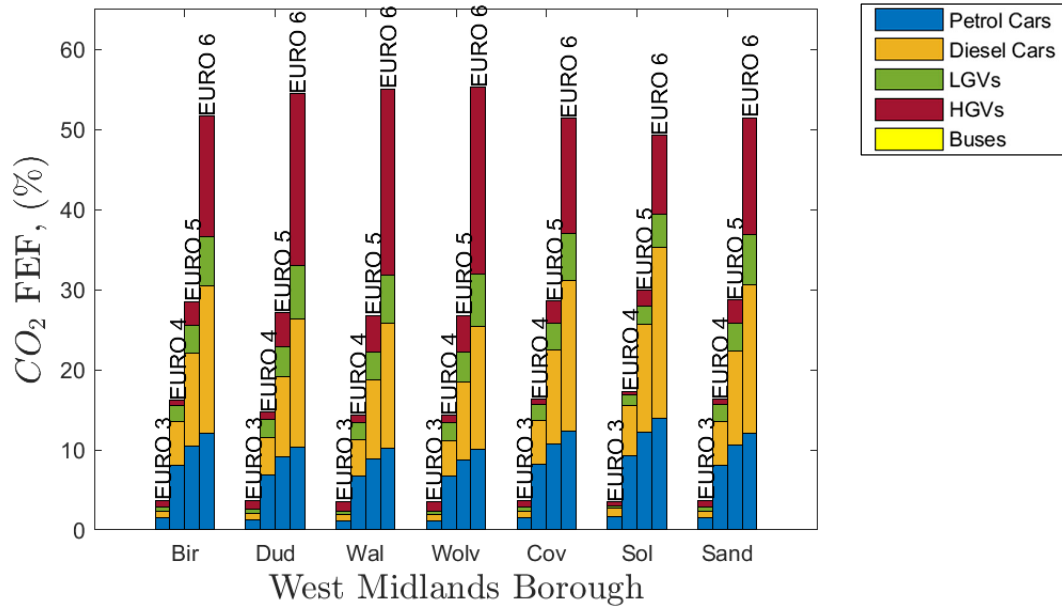


Figure S2. The effect of fleet renovation on motorway emissions of (a) NO_x , (b) CO_2 , and (c) PM in West Midlands boroughs. On the y-axis, (%) is based on the total fleet emission.

(a) NO_x (b) CO_2

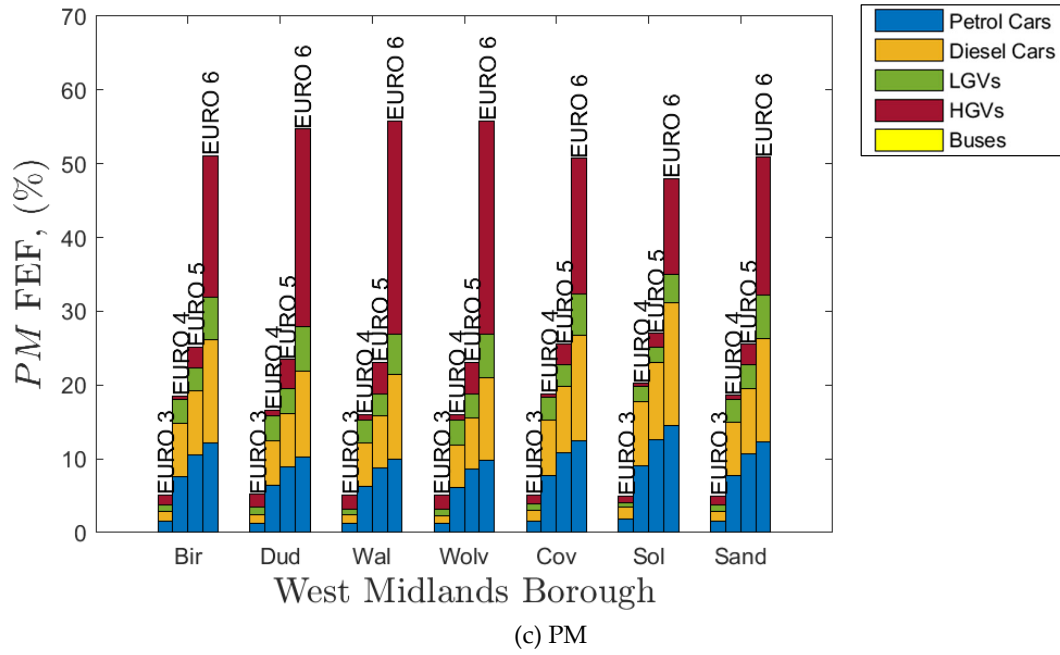
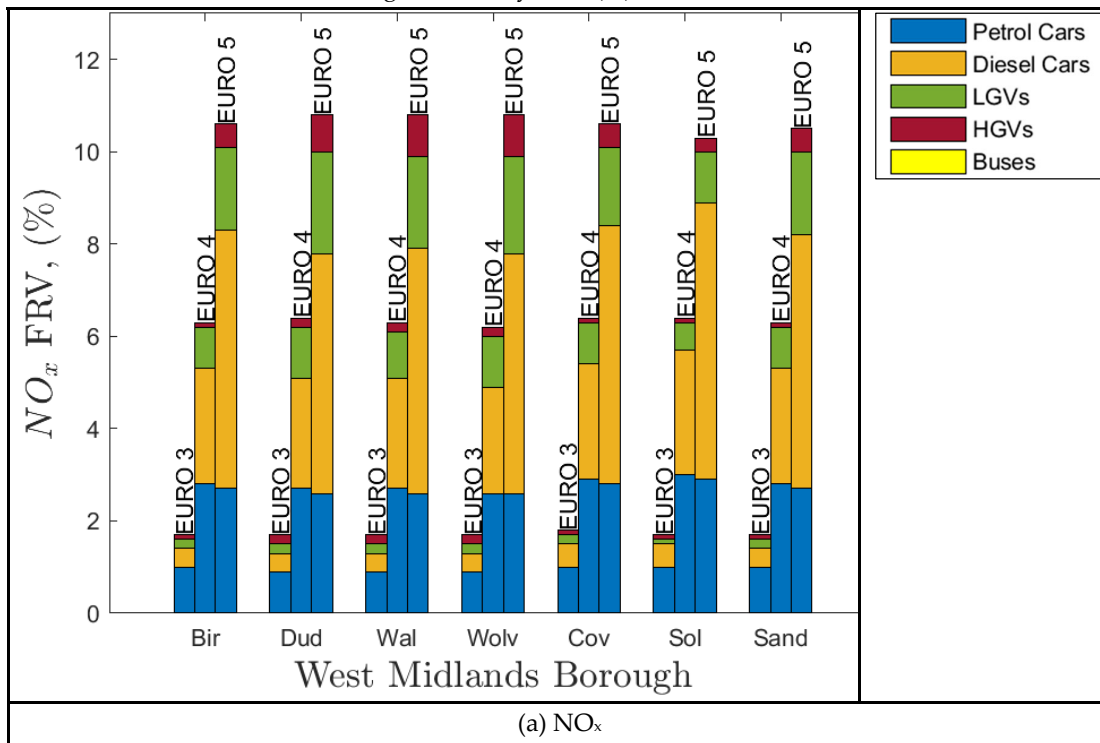


Figure S3. The effect of fleet electrification on rural road emissions of (a) NO_x, (b) CO₂, and (c) PM in West Midlands boroughs. On the y-axis, (%) is based on the total fleet emission.



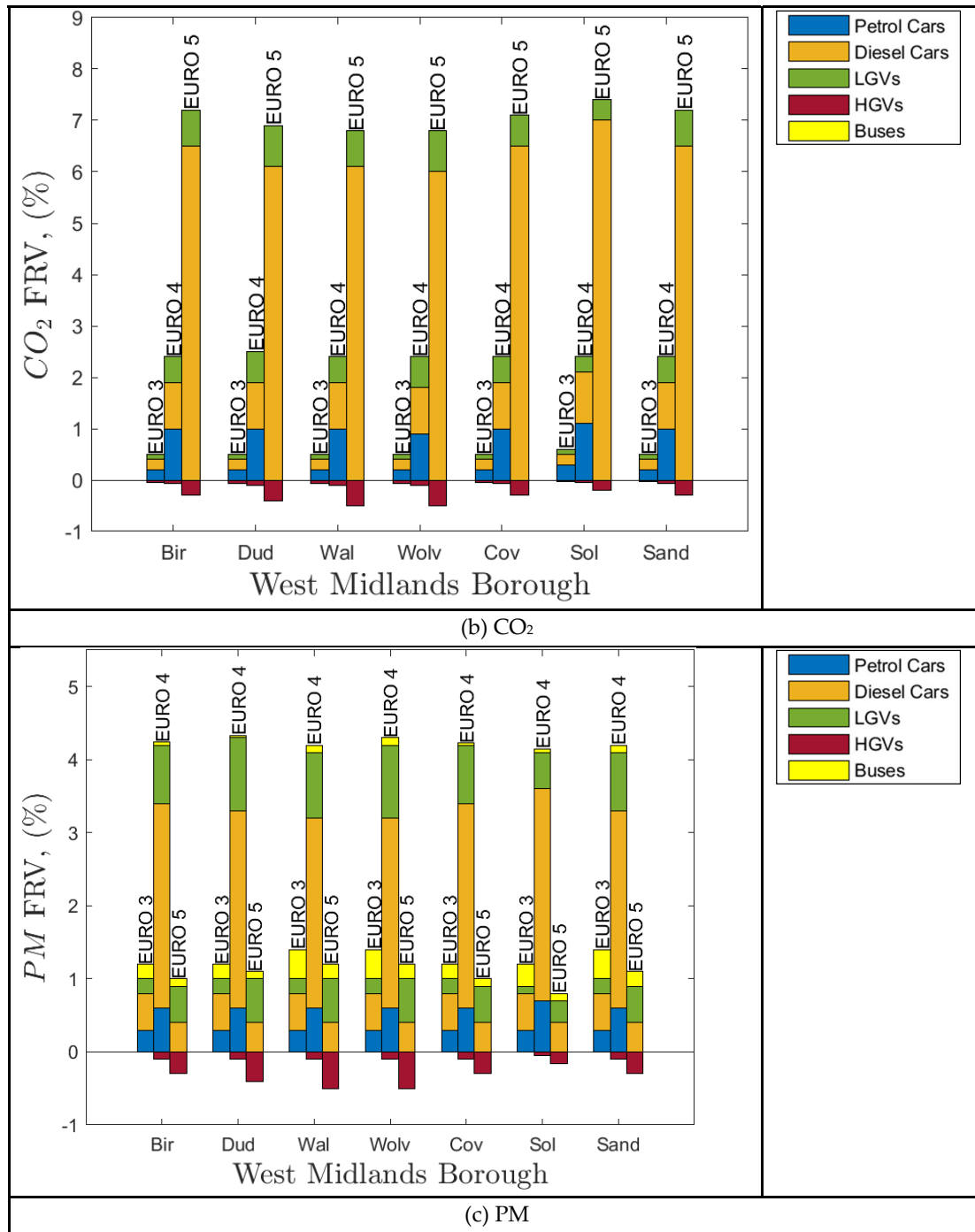


Figure S4. The effect of fleet renovation on rural road emissions of (a) NO_x, (b) CO₂, and (c) PM in West Midlands boroughs. On the y-axis, (%) is based on the total fleet emission.