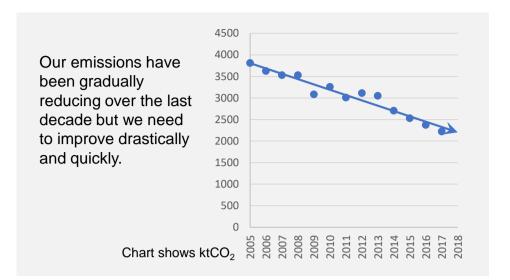
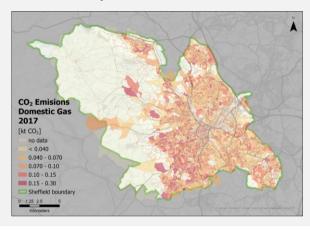
2030 Net Zero Carbon Sheffield Baseline inventory – where are we now?

Nitrous Oxide Methane There are many greenhouse gases most of Sheffield's climate change impact is mainly from carbon dioxide (which will be the focus of the work Carbon Dioxide going forwards



DOMESTIC

- Emission are higher in the South West of the city.
- Gas emissions four times those from electricity



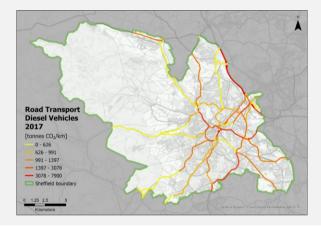






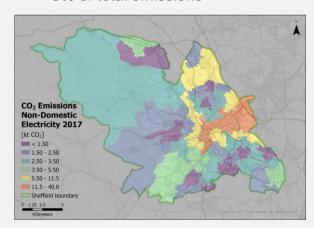
ROAD TRANSPORT USE

- 98% of transport emissions are from road transport
- Sector has shown least decline in recent years



INDUSTRY AND COMMERCIAL USE

- Retail and offices make up over half of business in Sheffield
- Large industrial installations are only ~5% of total emissions





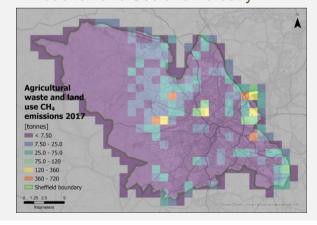




Emissions sources

AGRICULTURE, WASTE **AND LAND USE**

- Sector dominated by methane emissions (82%)
- Carbon dioxide emissions negative due to Land Use and Forestry



LOCAL ENERGY GENERATION AND STORAGE

- Sheffield generates 473GWh of electricity (right) and 253GWh of low carbon heat locally every year (registered
- There are 5,451 photovoltaic installations but this represents only 2% of the 247,000 homes.



Information based on 2017 data (the latest year for which it is available)







