



Torbay's greenhouse gas emissions - where we are and where we need to get to

Torbay climate strategy
9th July 2022

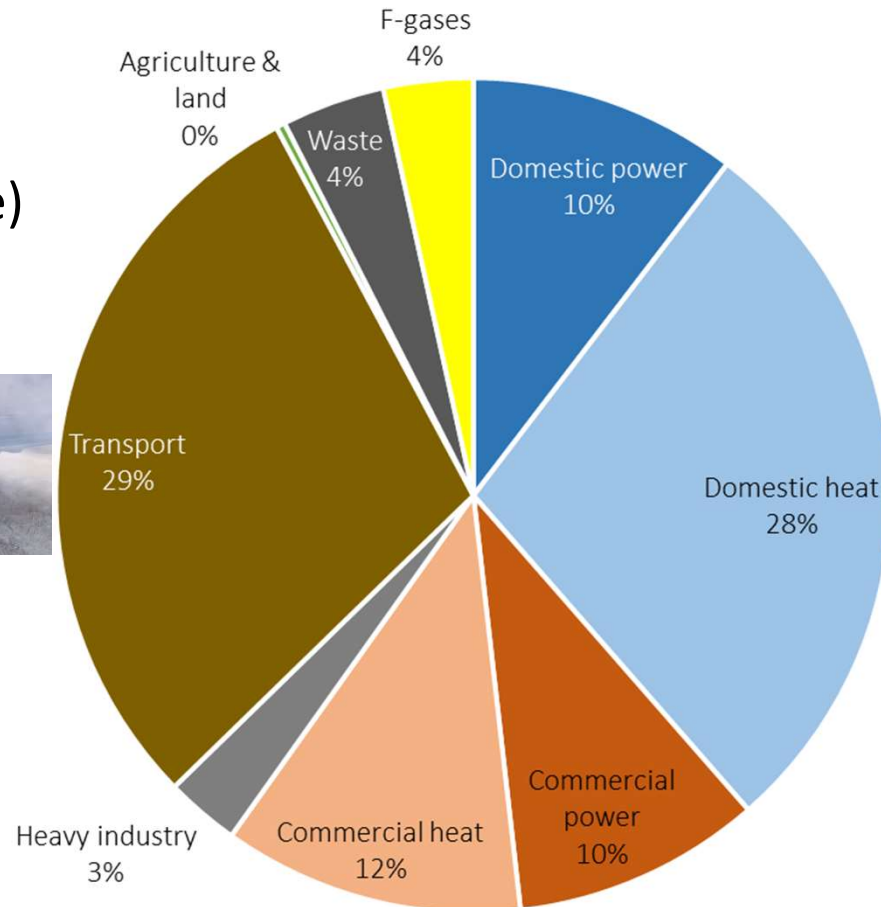
Tony Norton, Head of the Centre for Energy and the Environment

Torbay's 2019 greenhouse gas (GHG) emissions

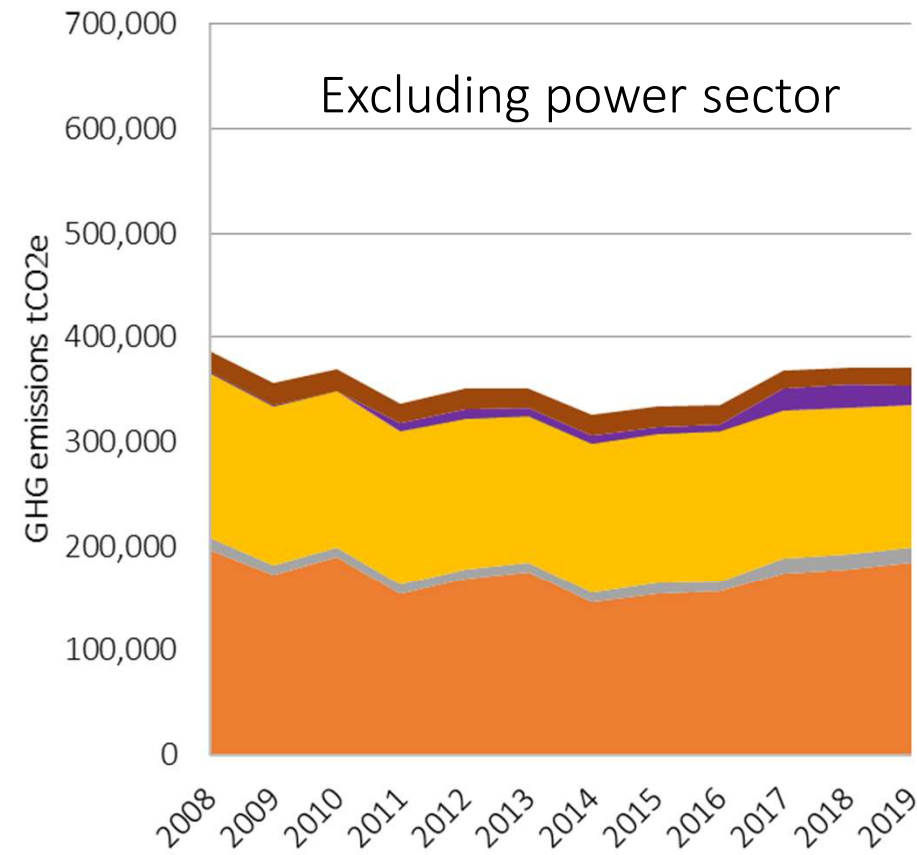
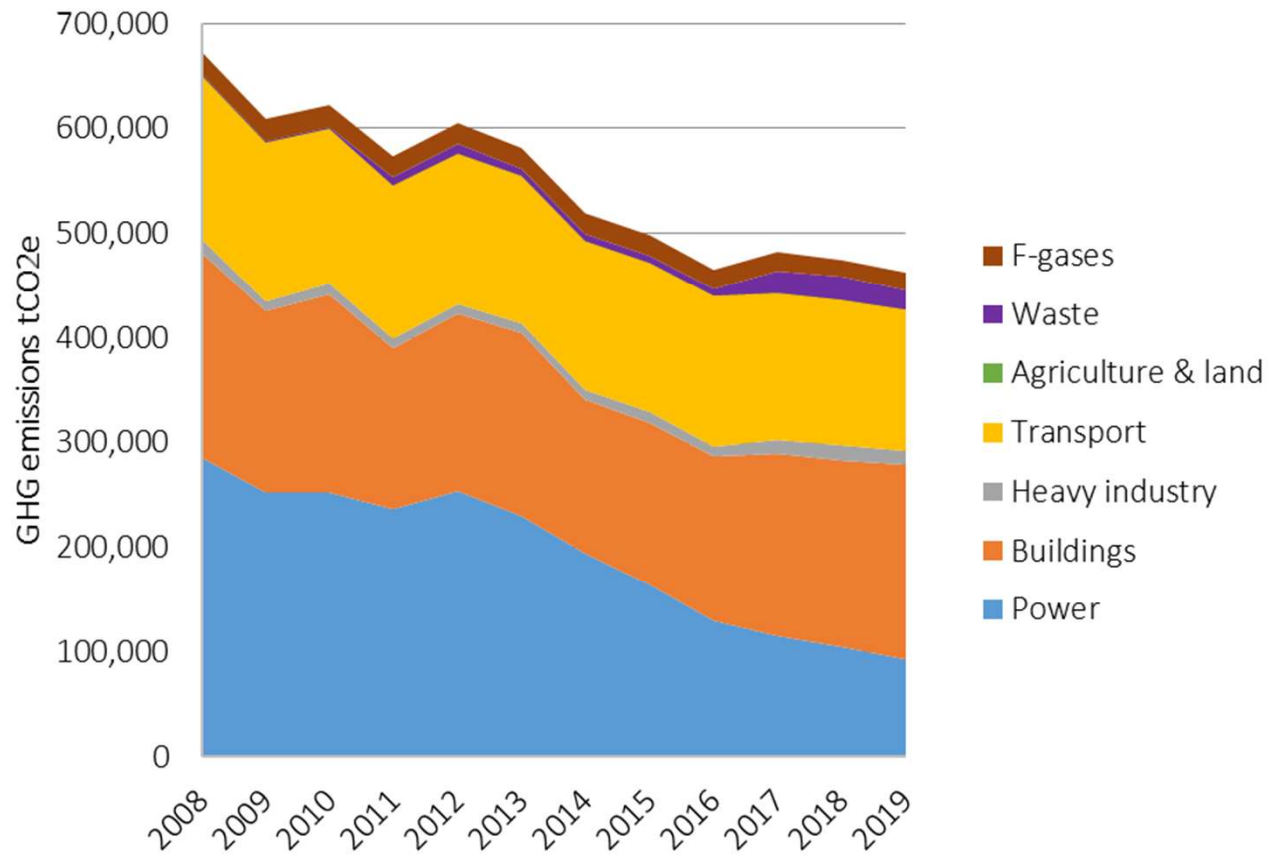


Total GHG in 2019

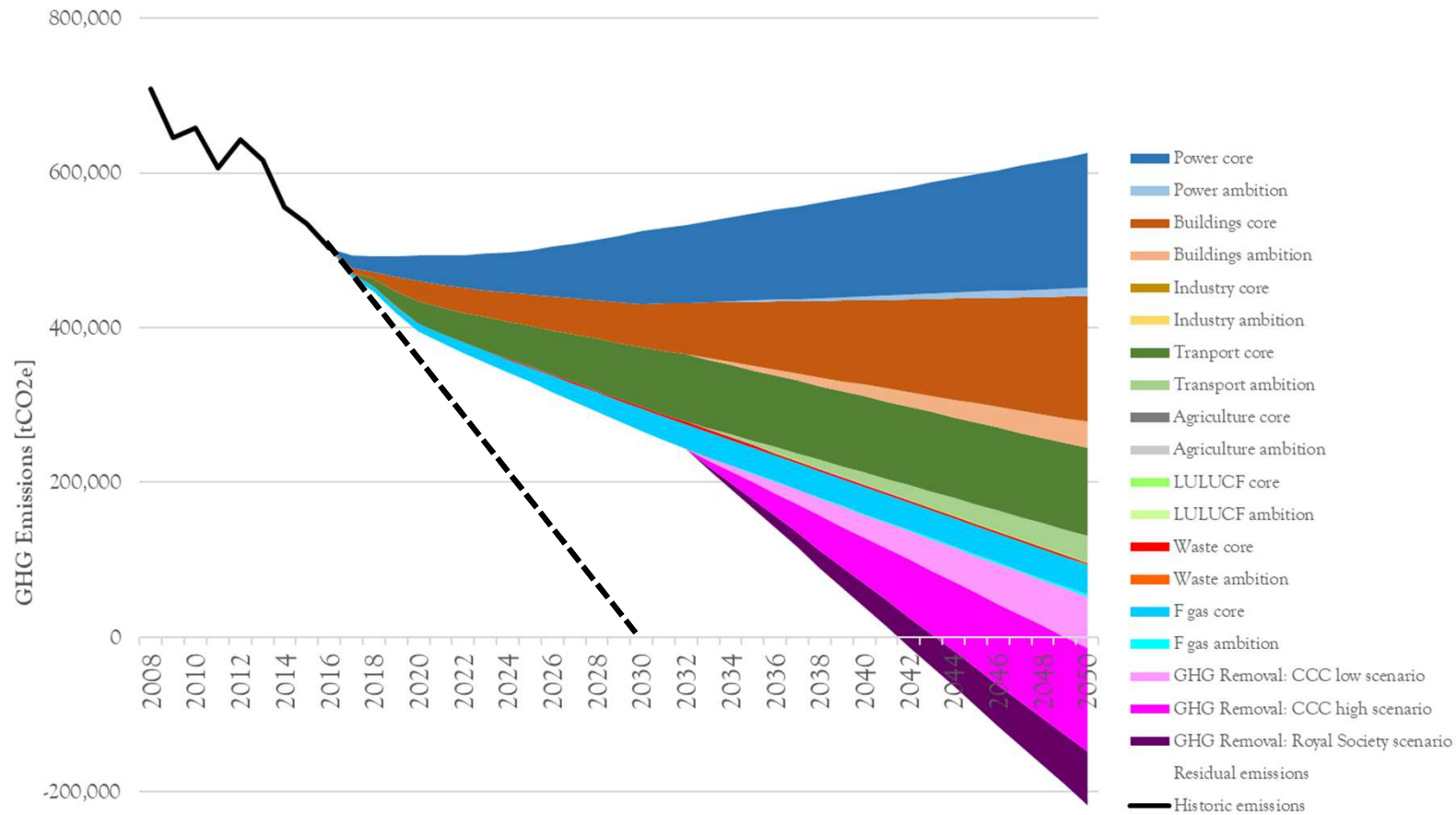
462 kt carbon dioxide equivalent (CO₂e)
of which over 90% is CO₂ from
burning fossil fuels



Historic GHG emissions in Torbay



Net Zero 2050 GHG emissions in Torbay



What we can do – I. be more efficient with heat



Improve our homes and businesses so they need less energy
emit less carbon dioxide and cost less to run

For example:

- Loft insulation
- Draft proofing
- Wall insulation
- Floor insulation
- Double glazing

What can we do – 2. buy green alternatives



Choose low energy, low carbon, low running cost alternatives when it's time to replace things

For example:

LED lighting

low energy appliances (A rated)

heat pumps and electric hobs

electric cars/vans

What can we do – 3. change what we are doing



Change our choices for lower cost lower carbon alternatives

For example:

- turn the thermostat down
- walk or cycle rather than drive
- holiday closer to home (fly less)
- eat less red meat and dairy
- waste less and reuse and repair more
- recycle more

What can we do – 4. do new things



Consider doing new things to contribute to net zero

For example:

- install solar photovoltaic panels on the roof
- support widespread tree planting
- support wetland restoration

Torbay in 2030 – what it looks like?



- All buildings fully insulated
- Heat pumps and electric hobs in all buildings
- All cars and vans battery electric
- Much more walking and cycling
- Much less waste



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