



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

Torbay climate strategy; waste minimisation and food
26th May 2022

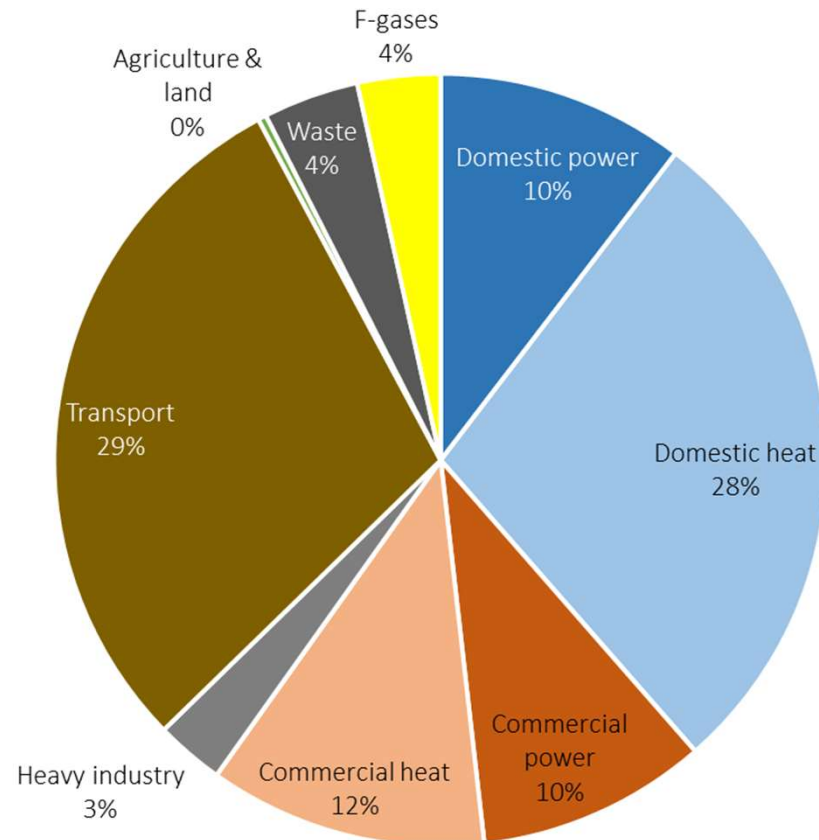
Tony Norton, Head of the Centre for Energy and the Environment

Waste minimisation and food



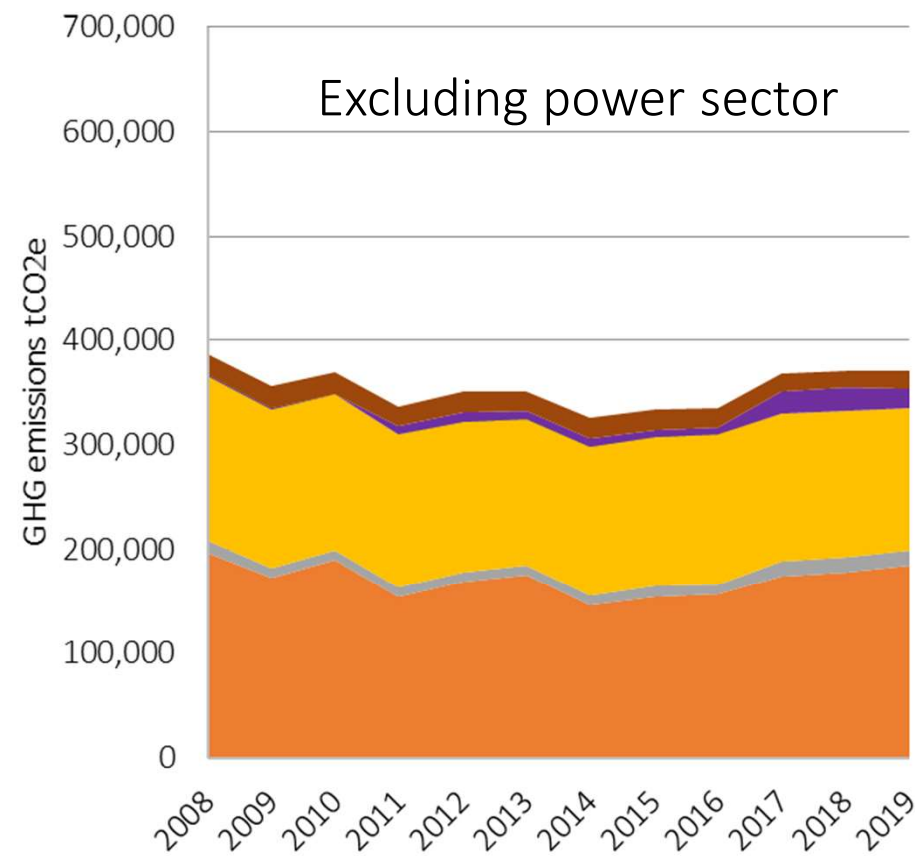
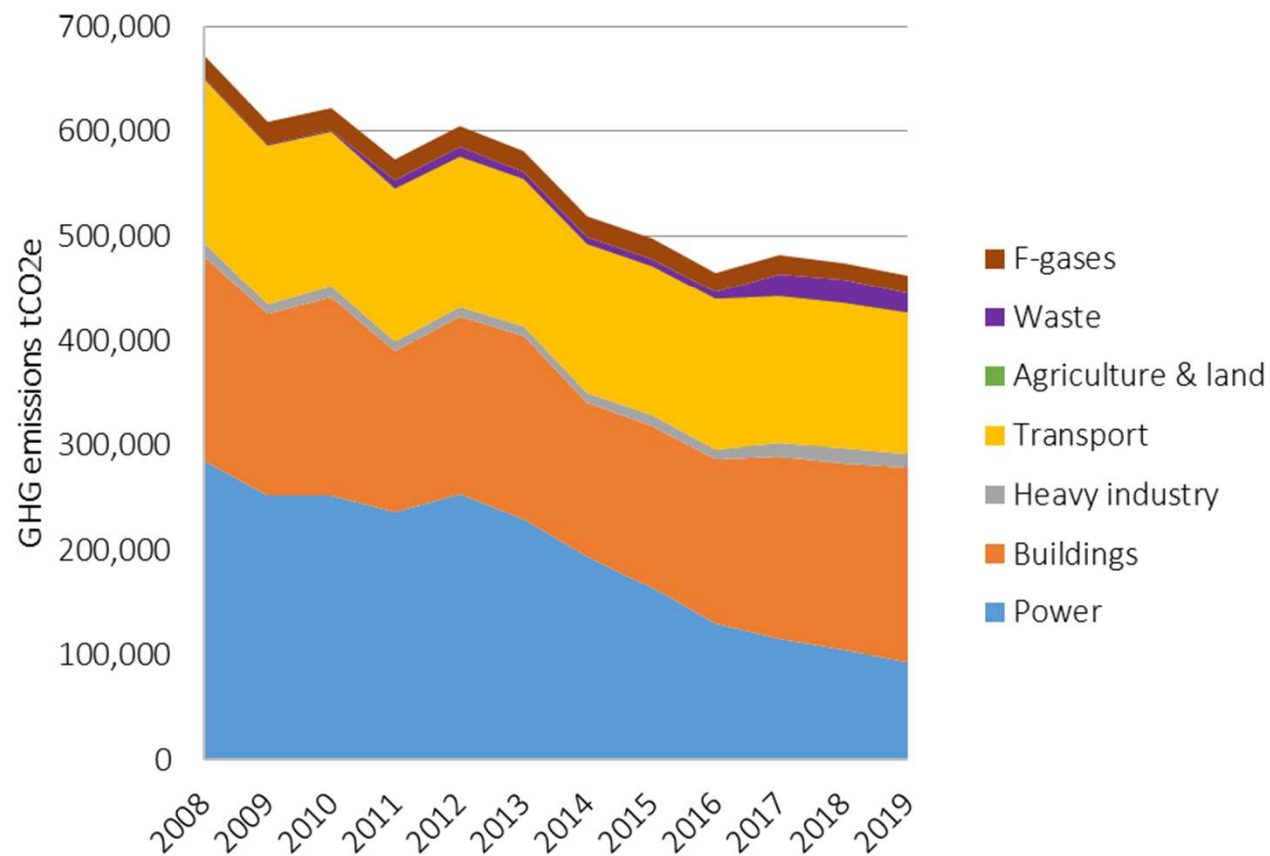
1. Torbay's green house gas (GHG) emissions
2. GHG emissions from waste
3. Torbay's waste numbers
4. Projected GHG emissions
5. Waste targets

Torbay's 2019 greenhouse gas (GHG) emissions



Total GHG in 2019 462 kt carbon dioxide equivalent (CO₂e)

Historic GHG emissions in Torbay



Why are Torbay's waste GHG emissions low?

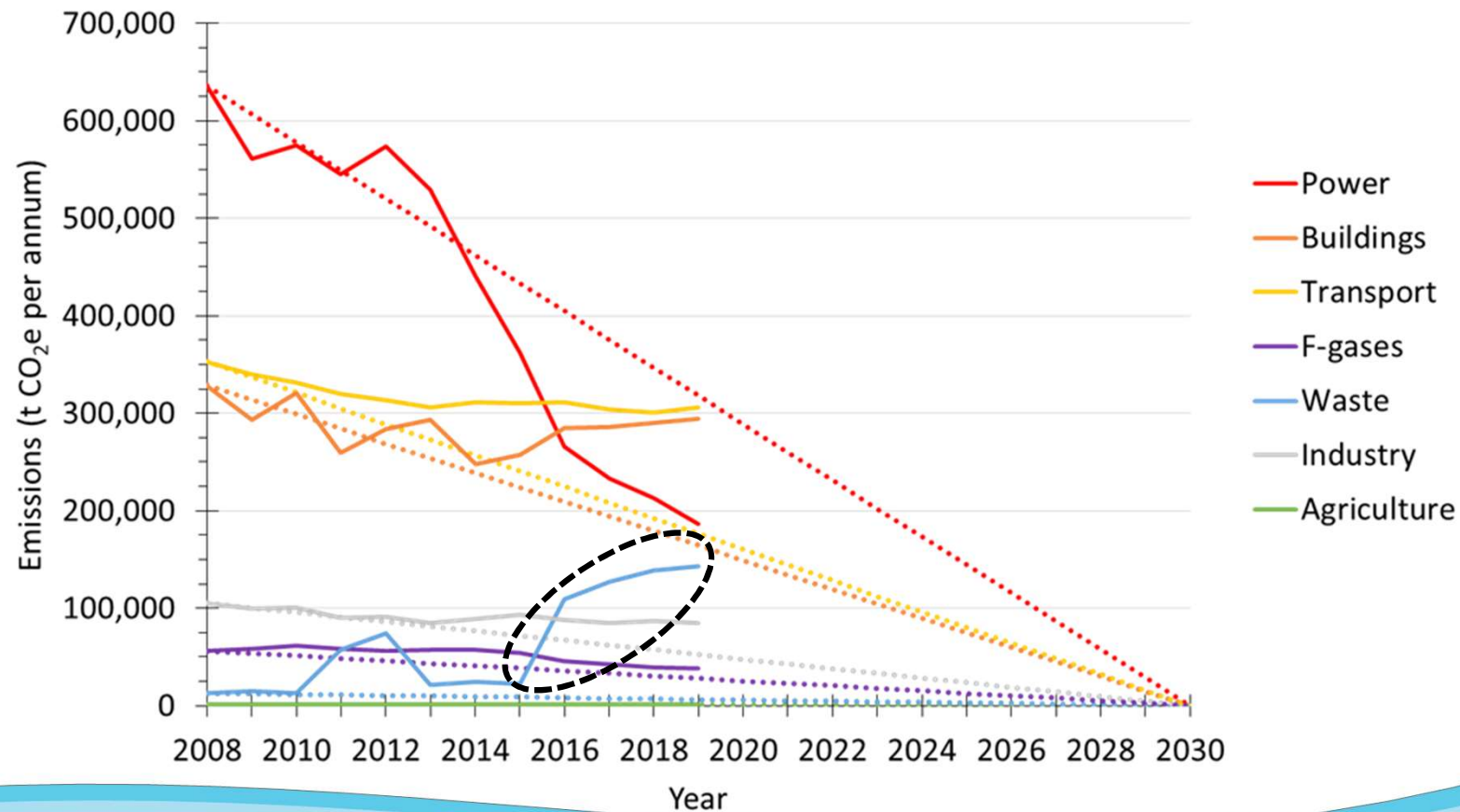




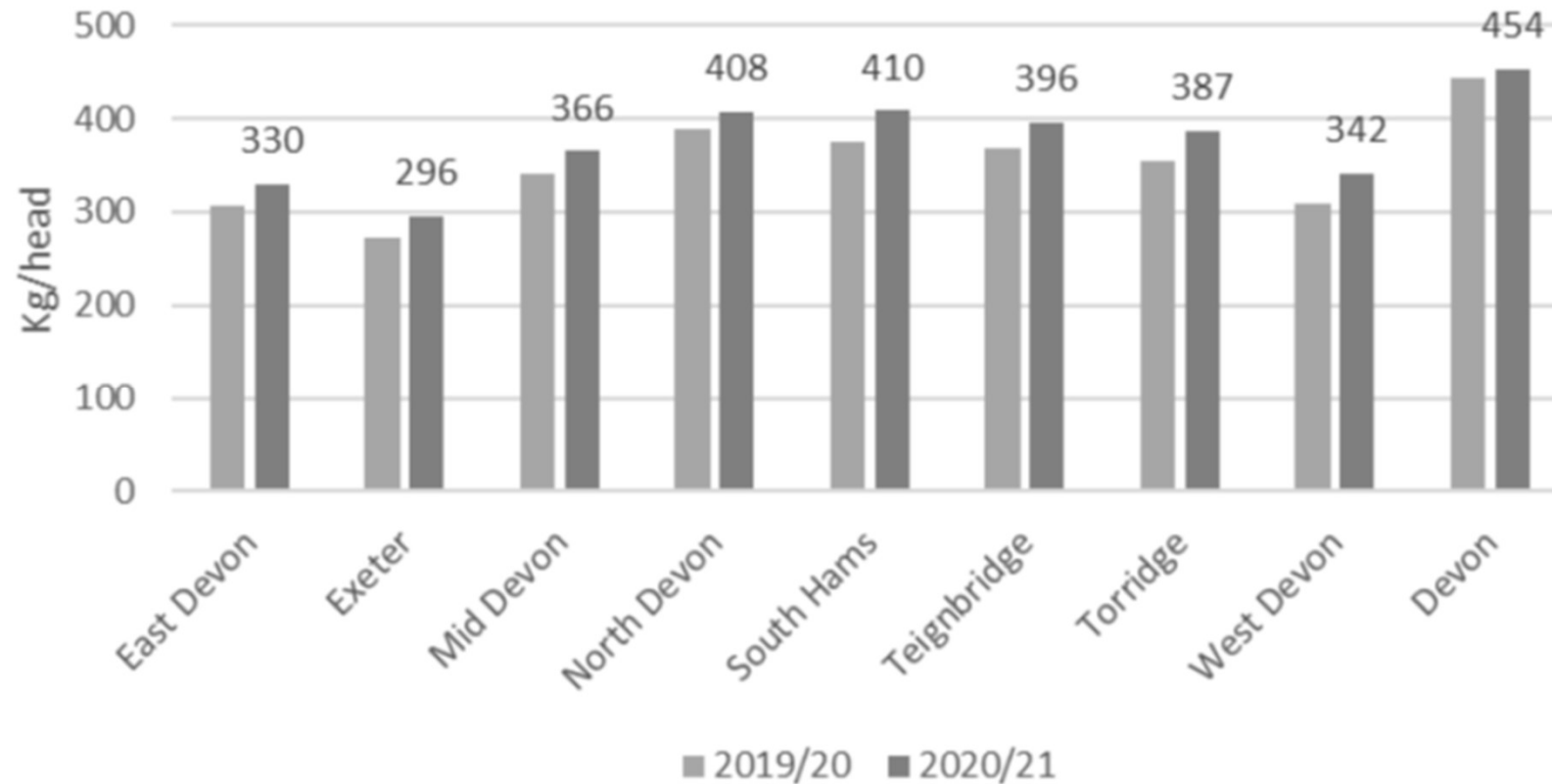
Why are Torbay's waste GHG emissions low?



Plymouth's GHG emission by sector



Waste arisings across Devon



Source: Devon Authorities Strategic Waste Committee, 2021.

Recycling rates across Devon



NI192	2019/20	2020/21	Change (%)
East Devon	60.5%	60.0%	-0.5%
Exeter	26.1%	27.8%	1.7%
Mid Devon	53.1%	53.7%	0.5%
North Devon	49.5%	49.4%	-0.1%
South Hams	54.4%	54.7%	0.2%
Teignbridge	56.3%	55.9%	-0.4%
Torridge	54.1%	55.2%	1.1%
West Devon	53.7%	55.2%	1.5%
Devon	56.6%	55.3%	-1.3%
Torbay	40.4%	35.7%	-4.7%

Source: Devon Authorities Strategic Waste Committee, 2021.

Torbay

430 kg/head
36% recycling
276 kg/head residual

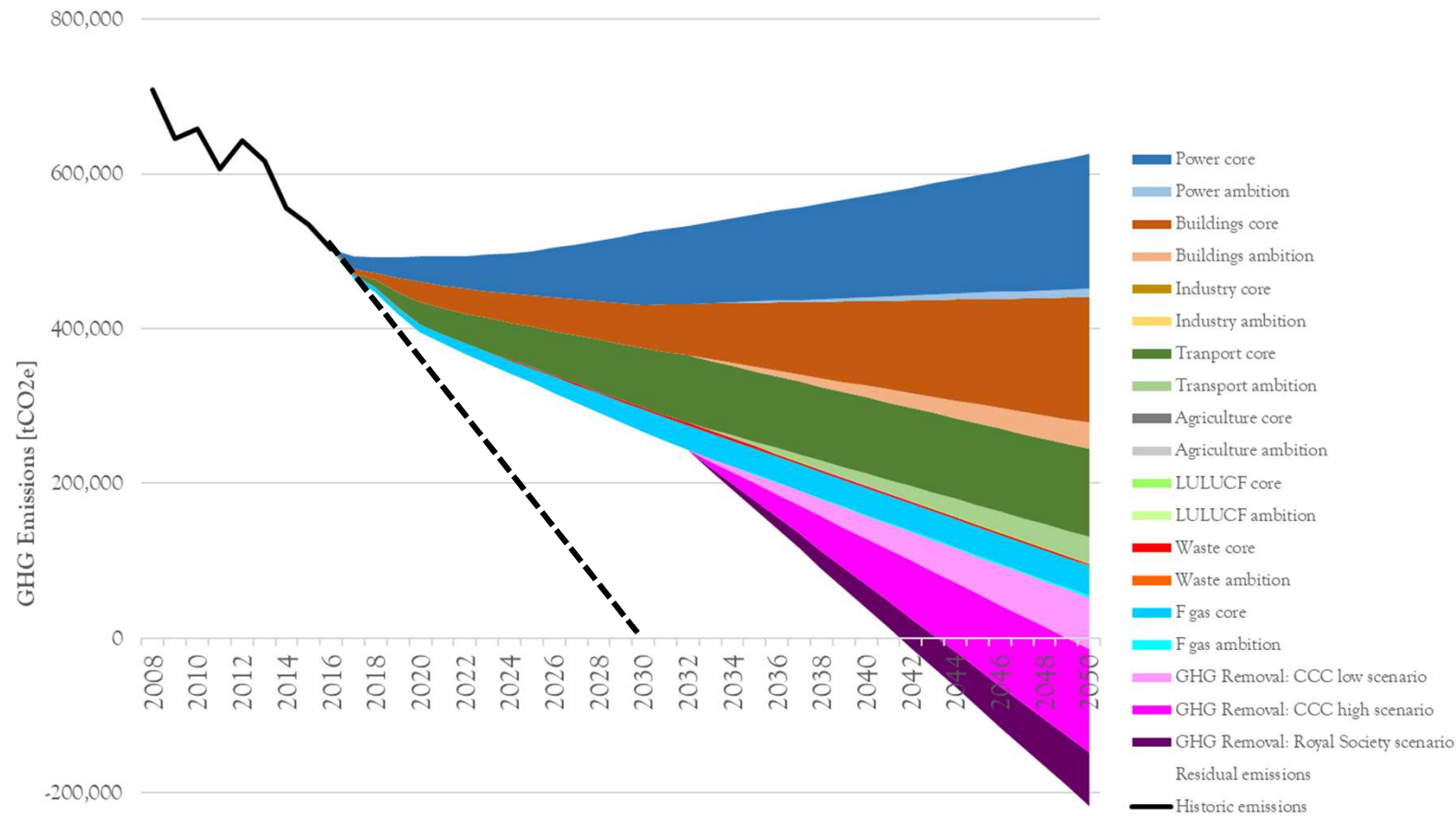
Exeter

296 kg/head
28% recycling
214 kg/head residual
22% less than Torbay

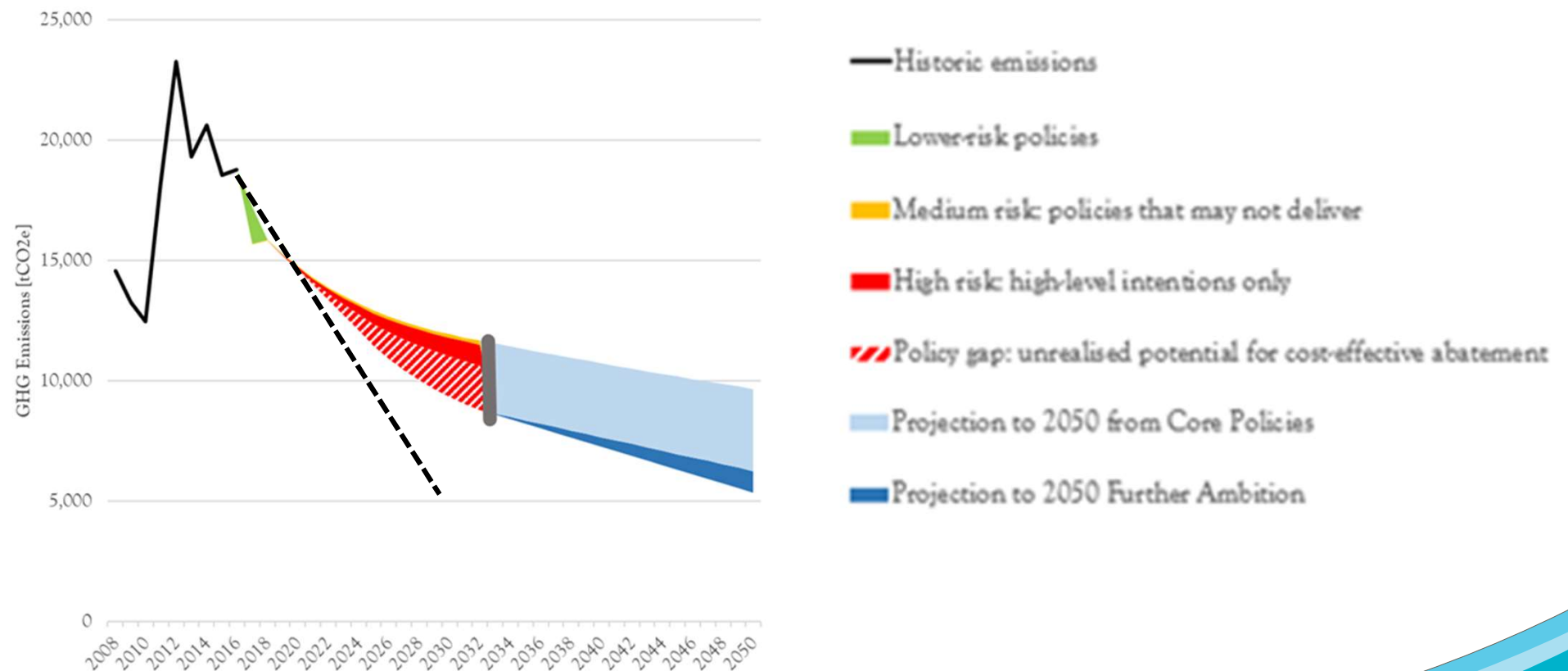
East Devon

330 kg/head
60% recycling
132 kg/head residual
52% less than Torbay

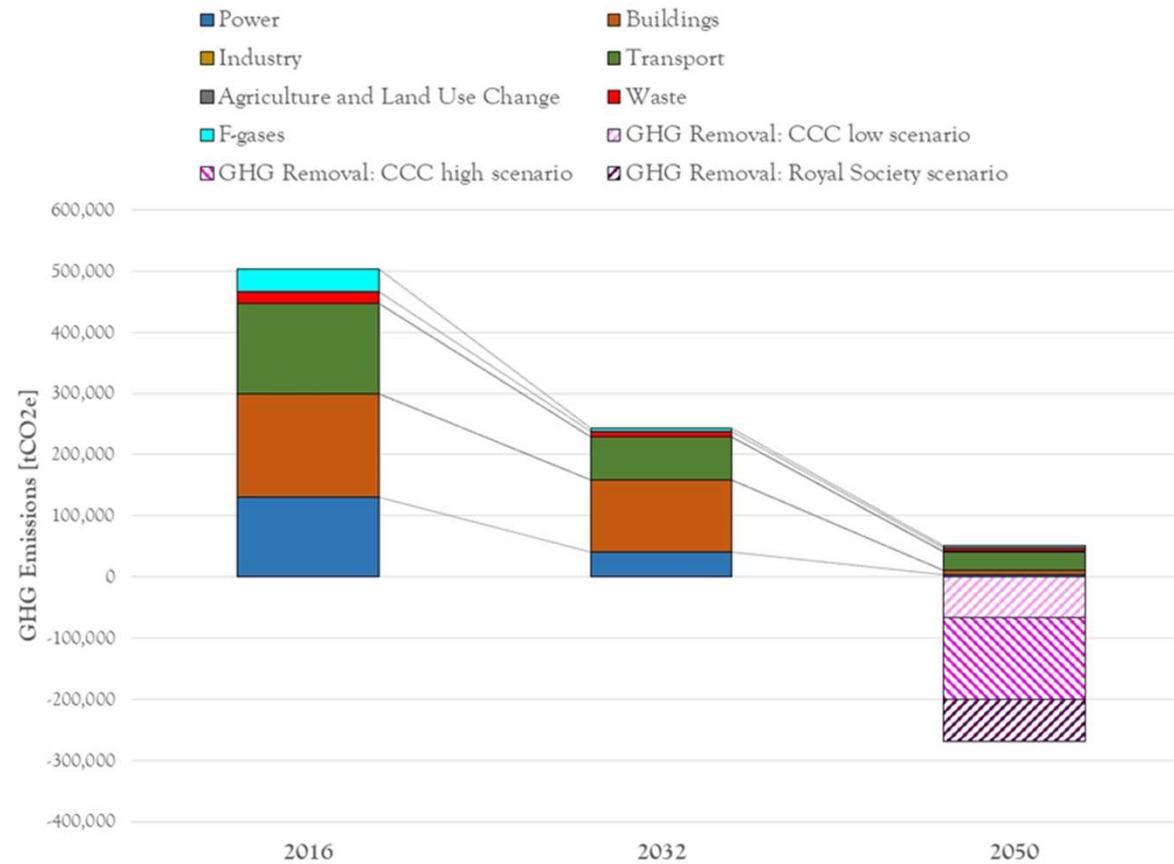
Net Zero 2050 GHG emissions in Torbay



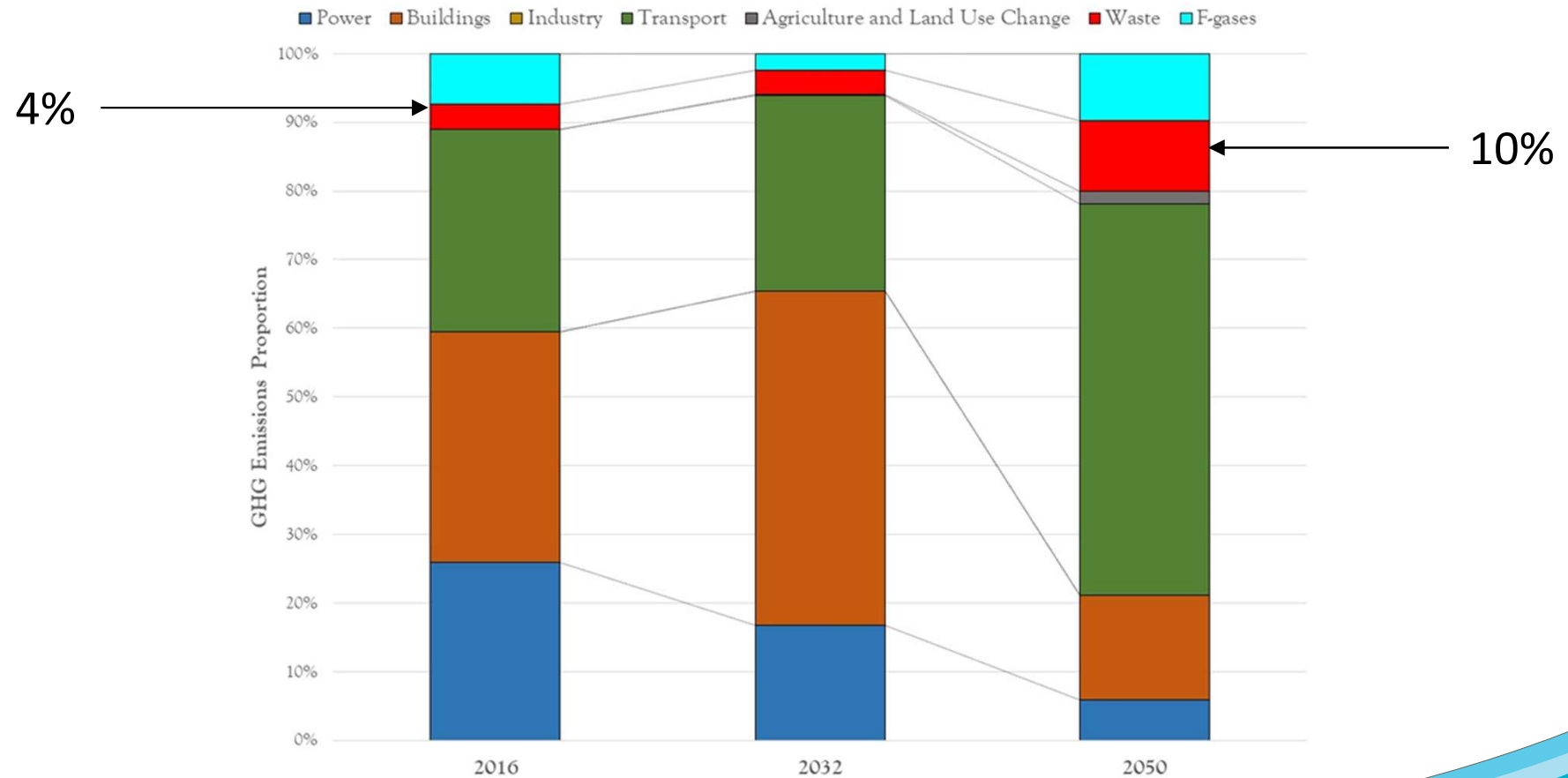
Net Zero 2050 waste GHG emissions in Torbay



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Net Zero 2050 GHG emissions in Torbay



CCC Sixth Carbon Budget targets



- Edible food waste reduced by over 50% by 2030 and over 60% by 2050
- 33% reduction in of non-food arising's by 2037
- 70% recycling by 2030
- Improvements to waste treatment (e.g. anaerobic digestion & EfW CCS)



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