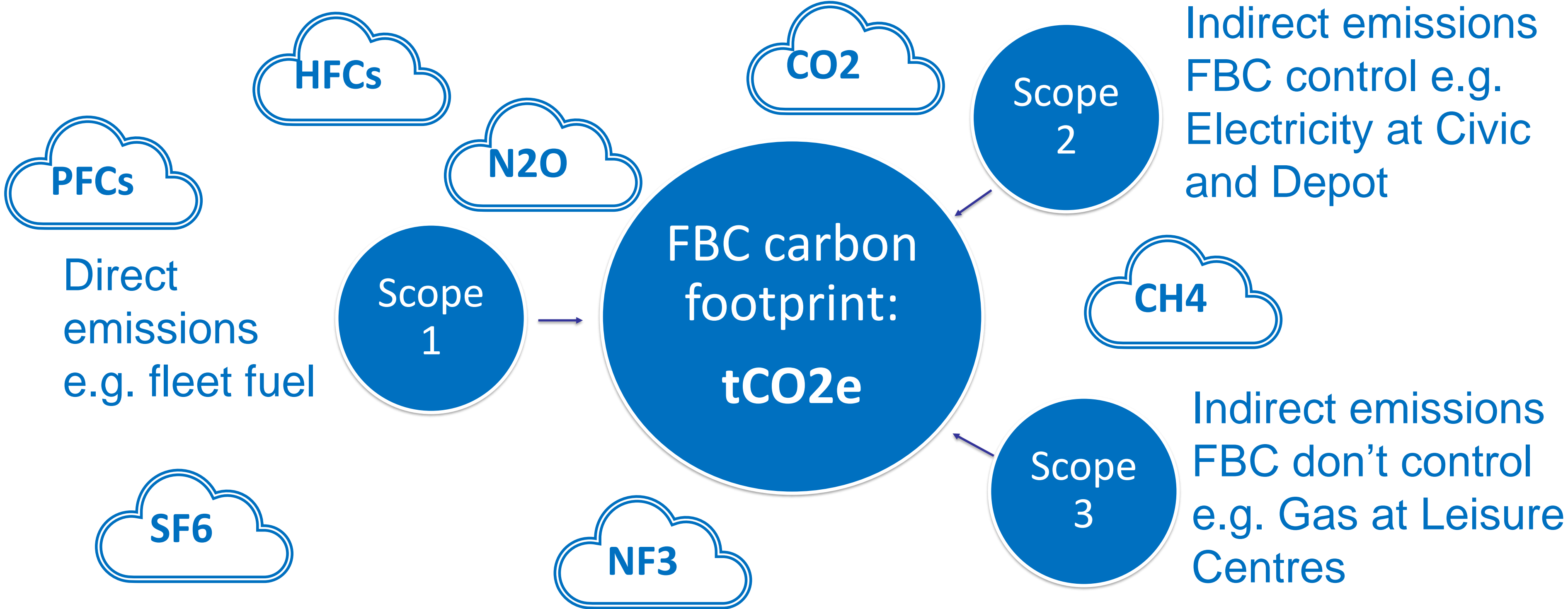


Council Services Carbon Footprint 2022/23 Report

FAREHAM
BOROUGH COUNCIL

How we calculate the Council's Carbon Footprint



How we calculate the Council's Carbon Footprint

Carbon Footprint reporting splits emissions into three scopes:

- Scope 1 – all **direct** emissions from activities e.g. vehicle fleet fuel
- Scope 2 – any **indirect** emissions from energy e.g. electricity for offices
- Scope 3 – any other **indirect** emissions, occurring from sources we do not own or do not control, e.g. gas and electricity at our leisure centres

Conversion Factors

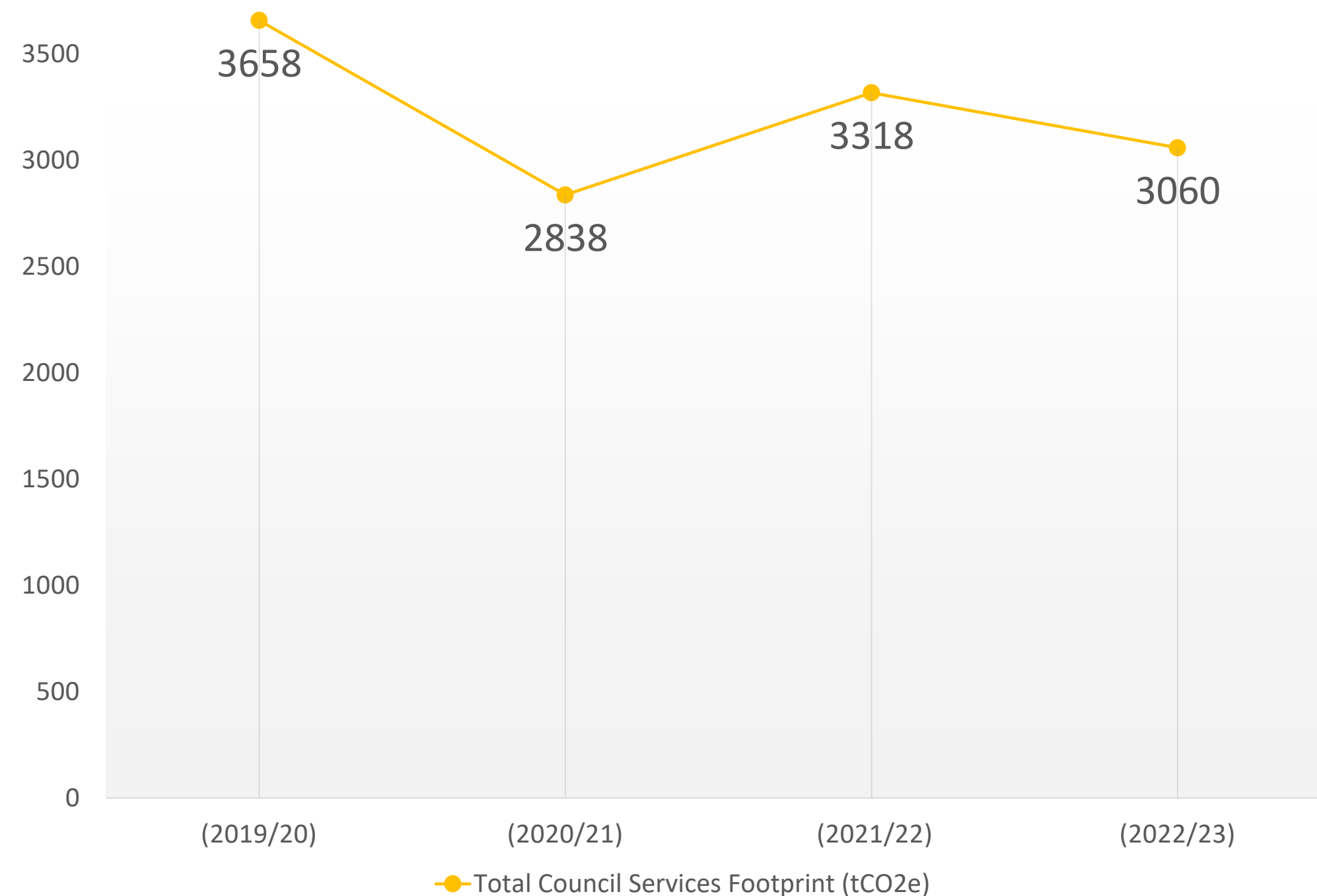
- Enable us to calculate carbon emissions for different emitters
- Conversion factors for each activity e.g. electricity, gas
- As UK electricity grid becomes 'greener' the conversion factor decreases
- Can reduce emissions without changing usage levels
- Gas network does not decarbonise significantly each year

Electricity Conversion Factor reduces as grid becomes greener (figures are for 10,000 kWh)

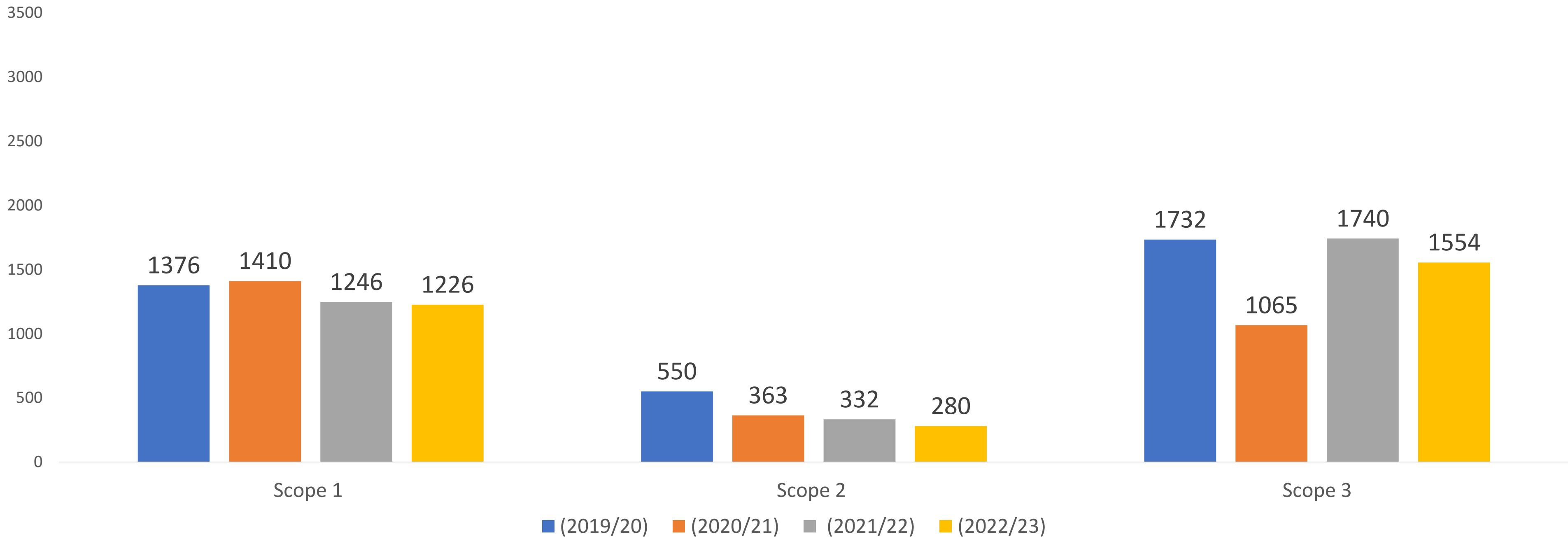
Year	tCO2e	
2019/20	2.6	
2020/21	2.3	↓
2021/22	2.1	↓
2022/23	1.9	↓

Top level results

- Main findings from the Council Services Carbon Footprint Report 2022/23
- 2020/21 affected due to COVID pandemic
- **598 tCO₂e (16.4%) decrease** from 2019/20 to 2022/23

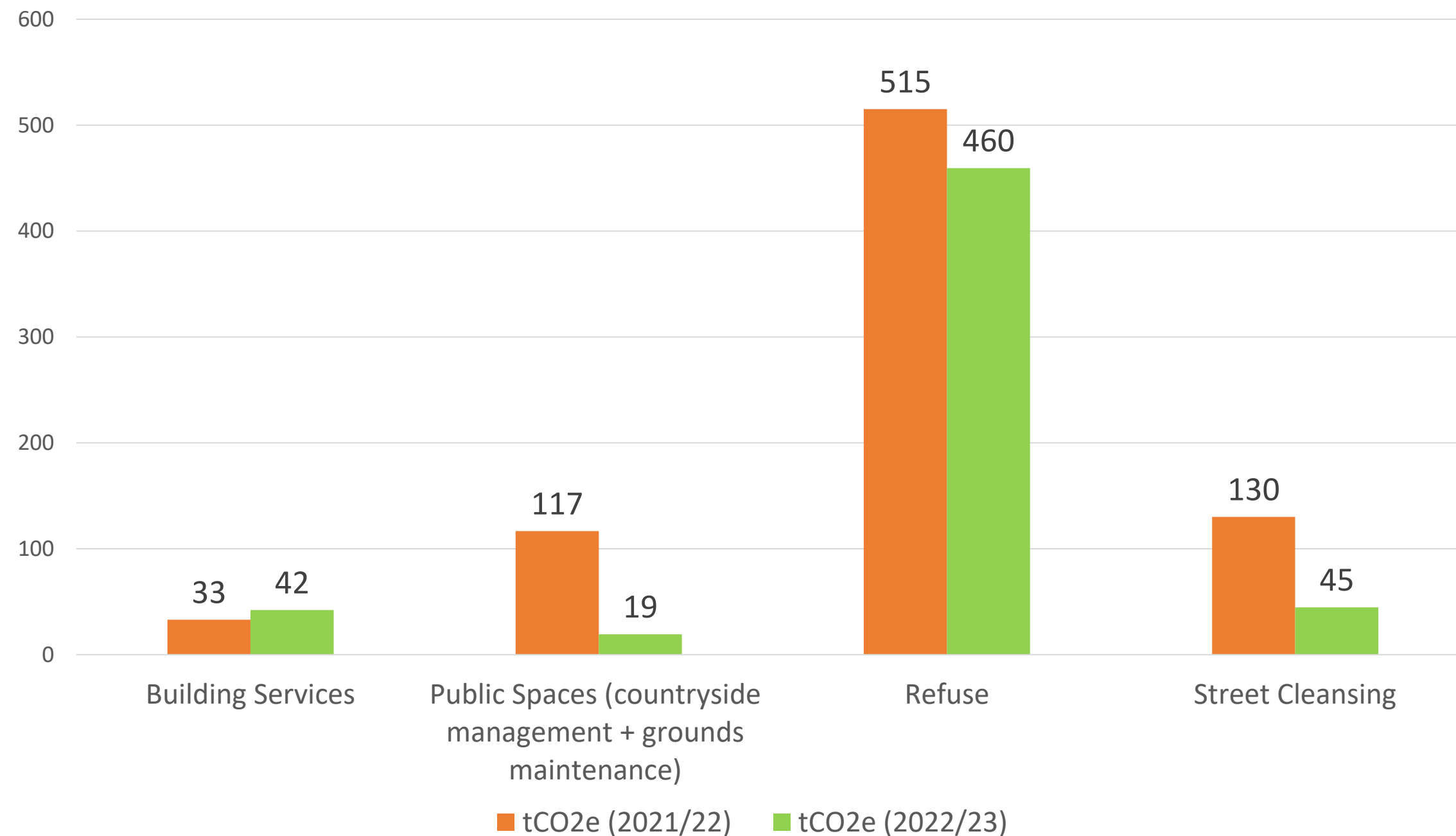


Council Services - Emissions By Scope (tCO2e)



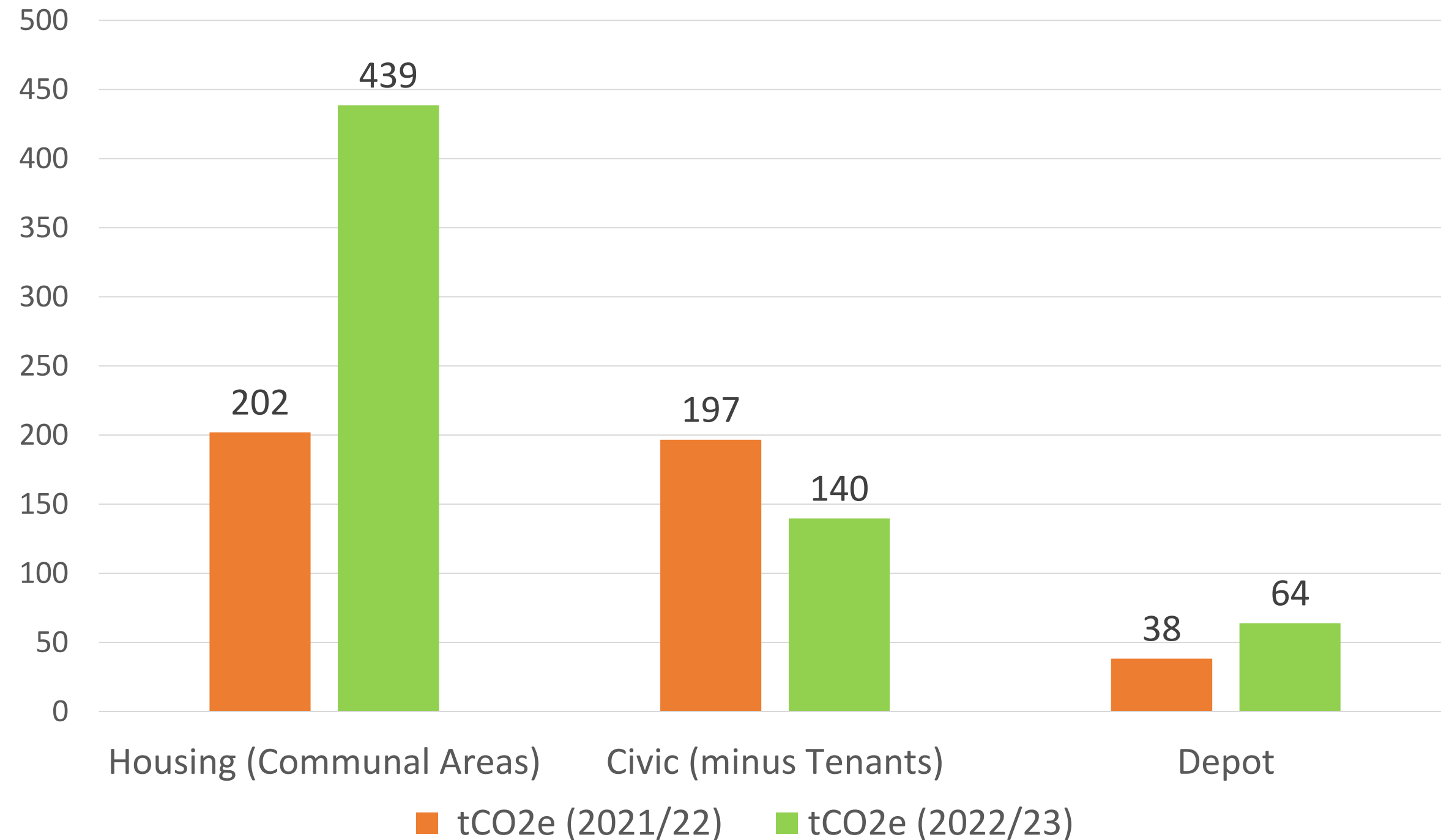
Scope 1 Fuel Emissions Breakdown

- Overall decrease of 28% since 2021/22 to 584 tCO₂e
- Mainly due to expanded use of Hydrotreated Vegetable Oil
- Building Services increase due to higher customer demand



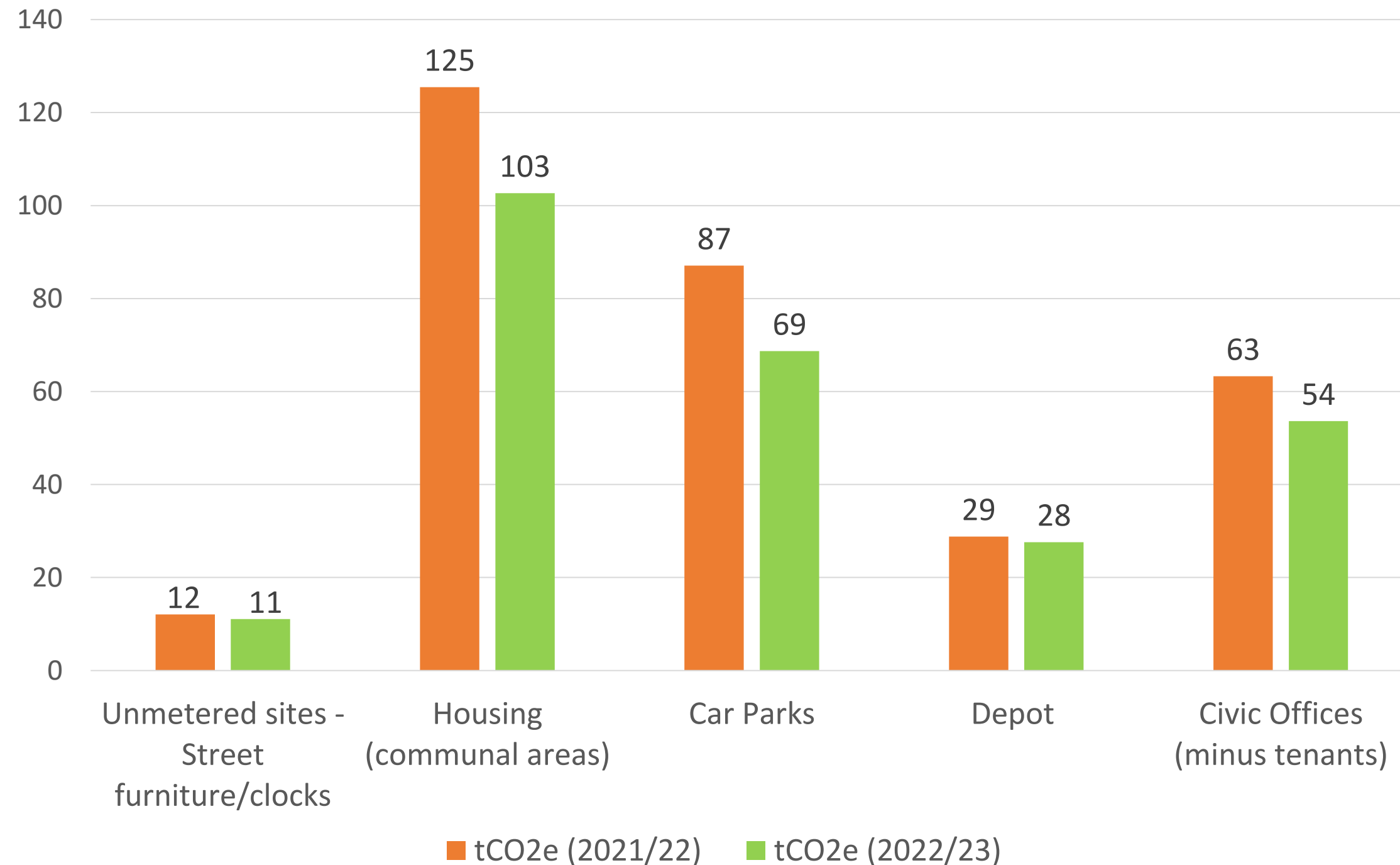
Scope 1 Gas Emissions Breakdown

- Overall increase of 47% from 2021/22 to 642 tCO₂e
- Civic Offices reduced by 29%:
 - Ventilation returned to pre-covid levels
- Housing and Depot increased due to relatively cold winter



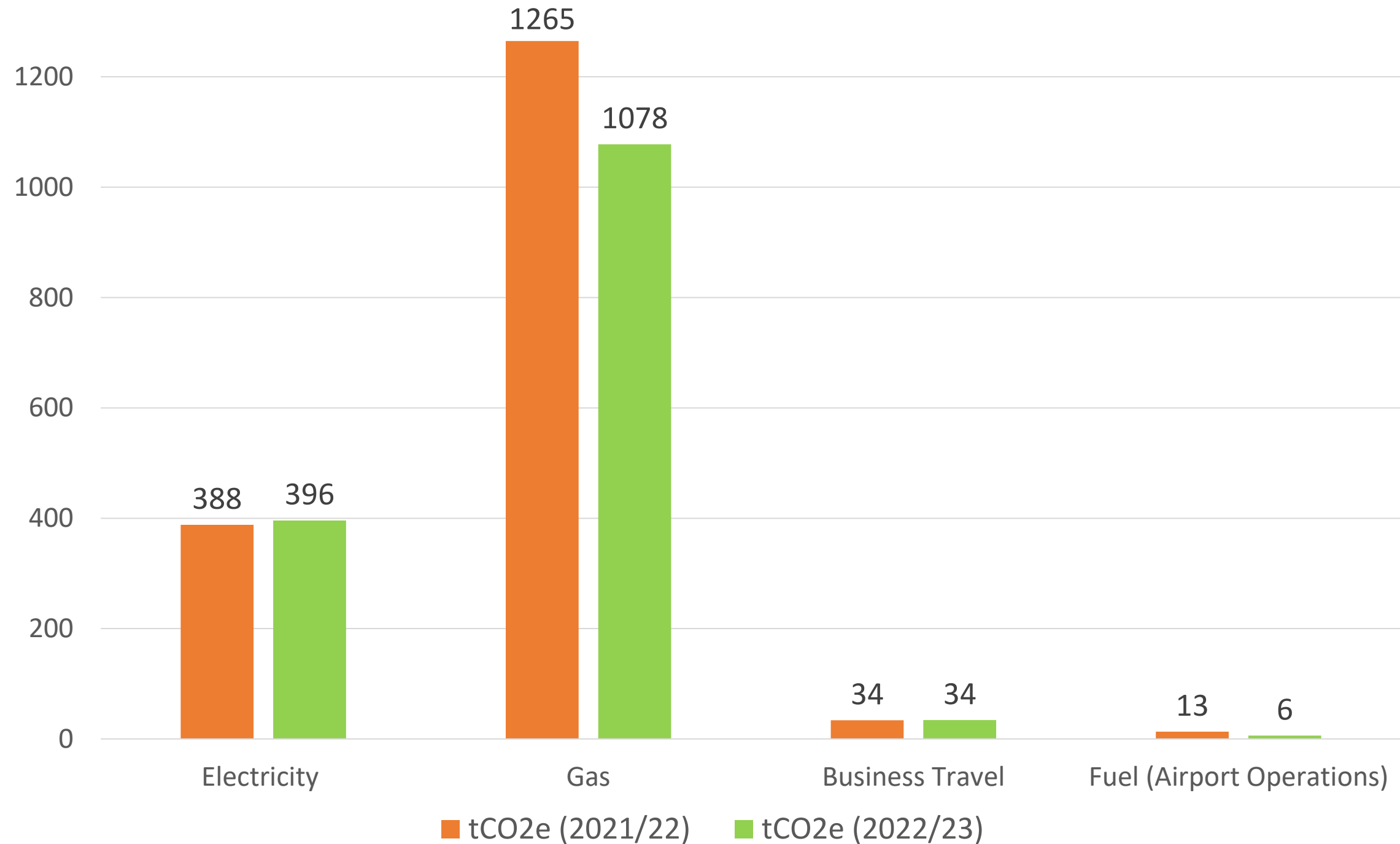
Scope 2 Electricity Emissions Breakdown

- Overall decrease of 16% from 2021/22 to 280 tCO2e:
 - All areas decreased
 - Largest decrease in car parks at 21%:
 - LED's installed when lights need replacing
 - Housing and Civic also seen decrease:
 - Combination of behaviour change and LED lights
 - Decrease in electricity conversion factor affects all sites



Scope 3 Breakdown

- Overall decrease of 10.7% from 2021/22 to 1,554 tCO2e:
- Electricity seen a slight increase, due to Fareham Leisure Centre.
- All other sites saw a decrease in electricity emissions
- Gas seen significant decrease:
- Mainly due to a lower Fareham Leisure Centre gas usage
- Crematorium gas emissions increased by 57 tCO2e (46%)



Council Services Carbon Footprint 2022/23

- Council Services emissions have reduced by 7.8% between 2021/22 and 2022/23
- Gas and vehicle fuel emissions still significant challenges - Priority areas to address in the review of the Climate Change Action Plan

Total emissions within Fareham Borough area

- In 2020 the total emissions produced within Fareham Borough area equated to 422,900 tCO₂e, this was a reduction of 67,400 tCO₂e (14%) from 2019.
- Transport accounted for 40% of total emissions within Fareham Borough area
- FBC Council Services carbon footprint in 2020 accounted for only 0.67% of the total emissions within Fareham Borough area
- Hampshire County Council set target for County to be carbon neutral by 2050