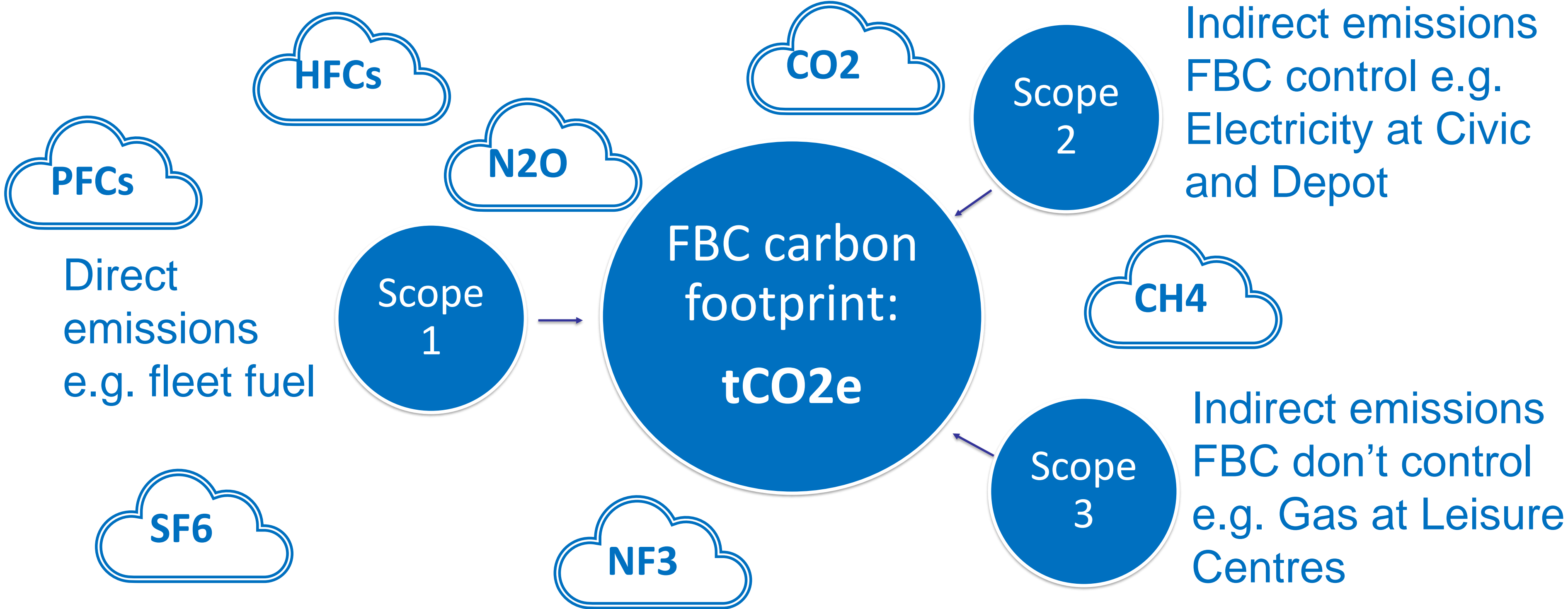


Council Services Carbon Footprint 2023/24 Report

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 electricity 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

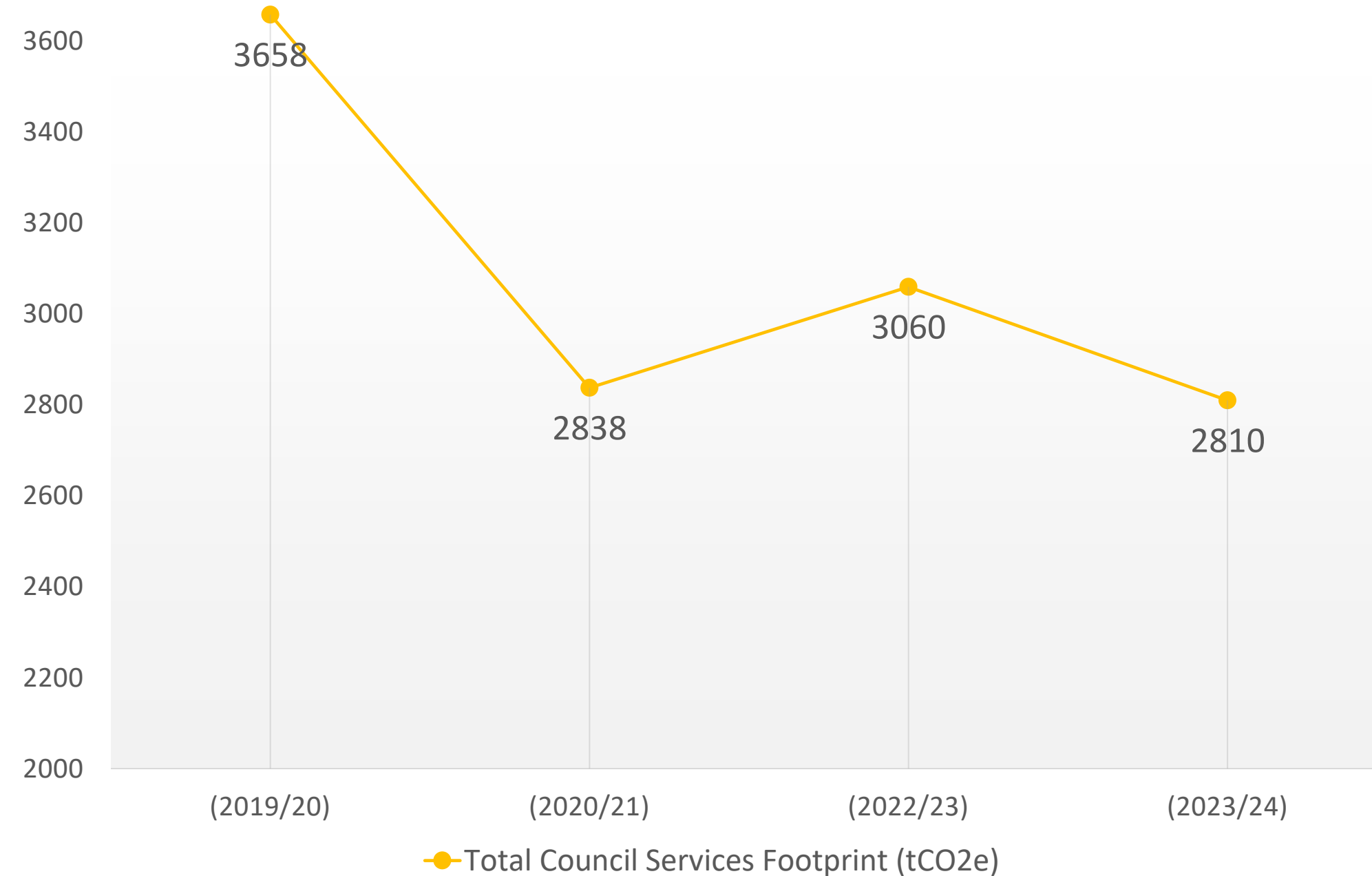
- Enable us to calculate carbon emissions for different emitters
- Conversion factors for each activity e.g. electricity, gas
- As UK electricity grid becomes 'greener' the conversion factor decreases
- Can reduce emissions without changing usage levels
- Gas network does not decarbonise significantly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

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

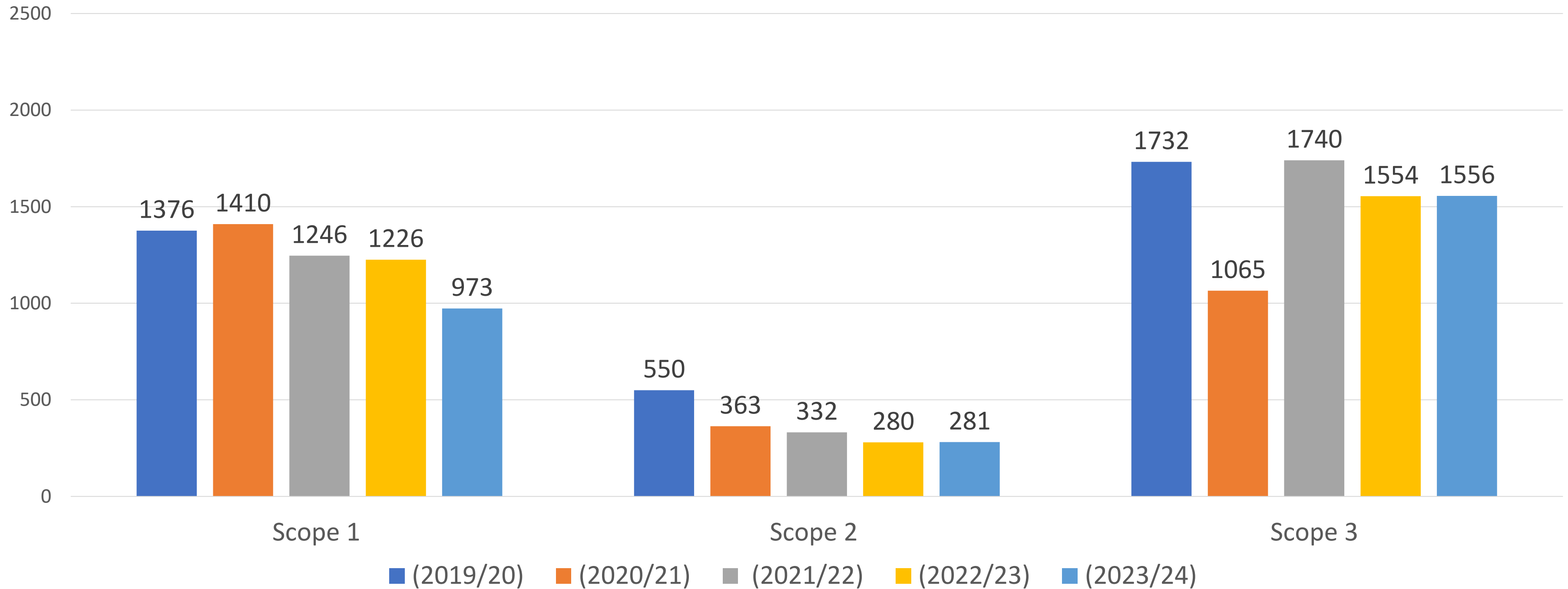
Year	tCO2e	
2019/20	2.6	
2020/21	2.3	↓
2021/22	2.1	↓
2022/23	1.9	↓
2023/4	2.0	↑

Top level results

- 2023/24 footprint: **2810 tCO2e**
- 2020/21 affected due to COVID pandemic
- **848 tCO2e (23%)** decrease since 2019/20

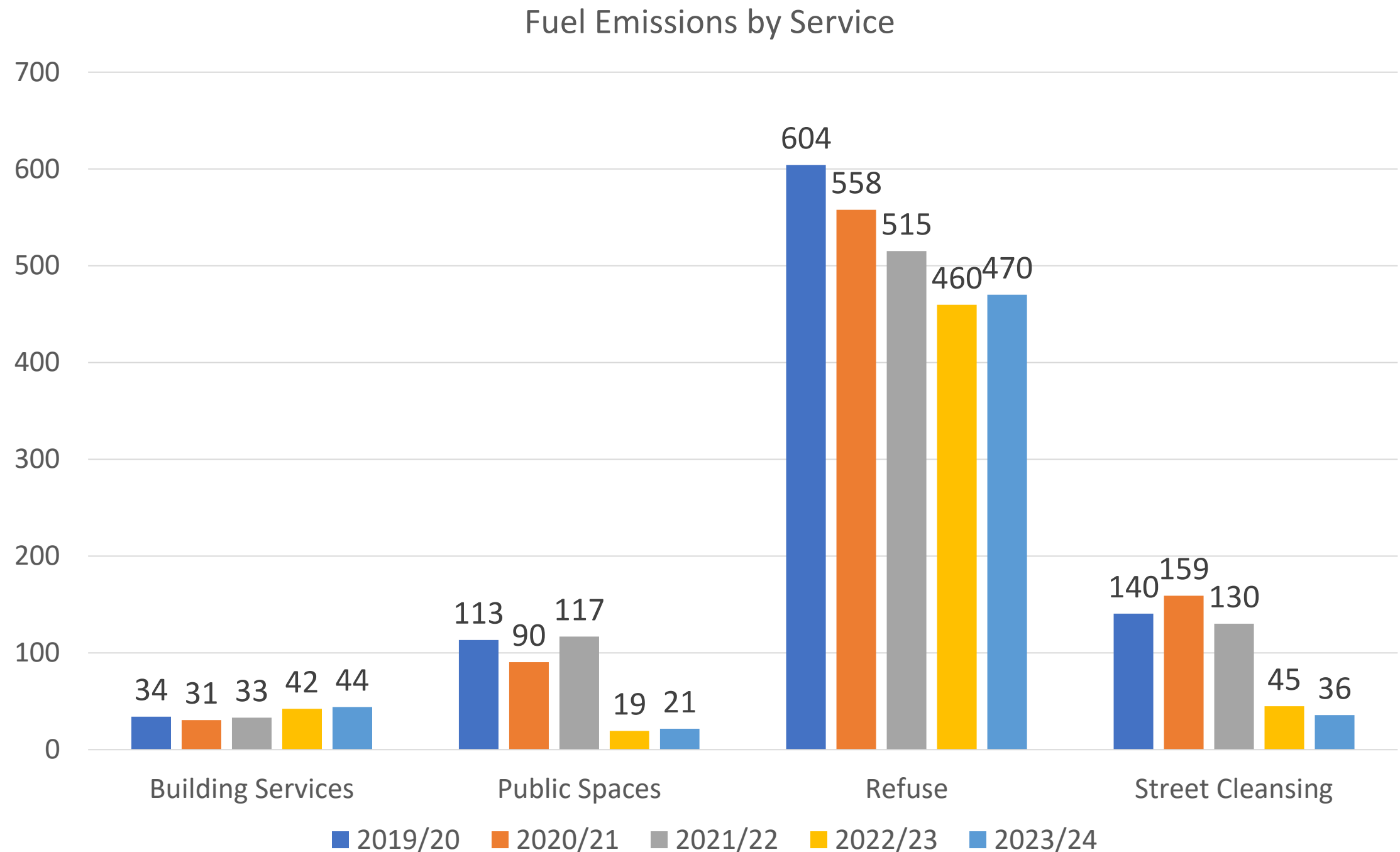


Council Services - Emissions By Scope (tCO2e)



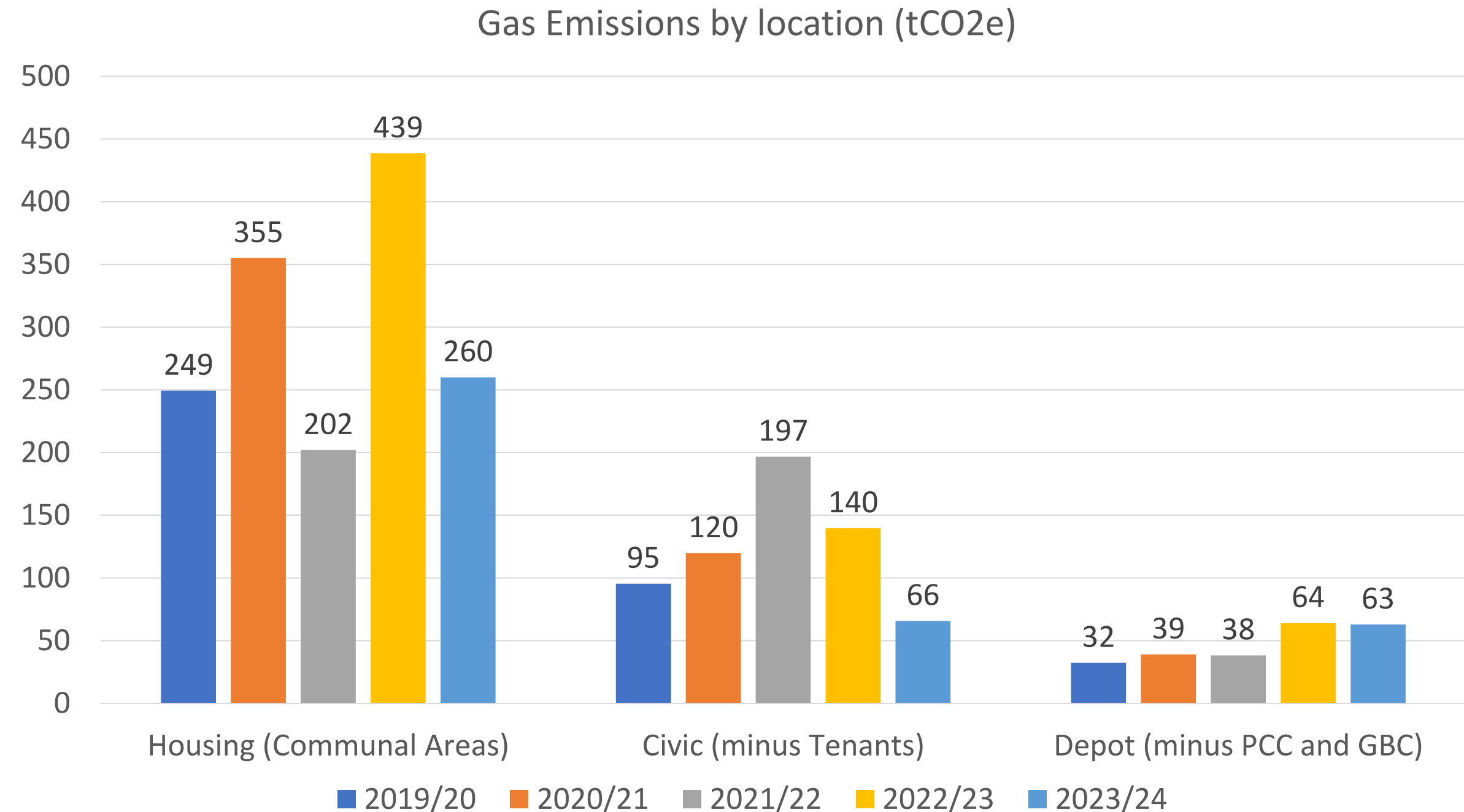
Scope 1 Fuel Emissions Breakdown

- Overall decrease of 340 tCO₂e 2019/20 to 584 tCO₂e
- Mainly due to expanded use of Hydrotreated Vegetable Oil (HVO)
- Building Services increase due to higher customer demand



Scope 1 Gas Emissions Breakdown

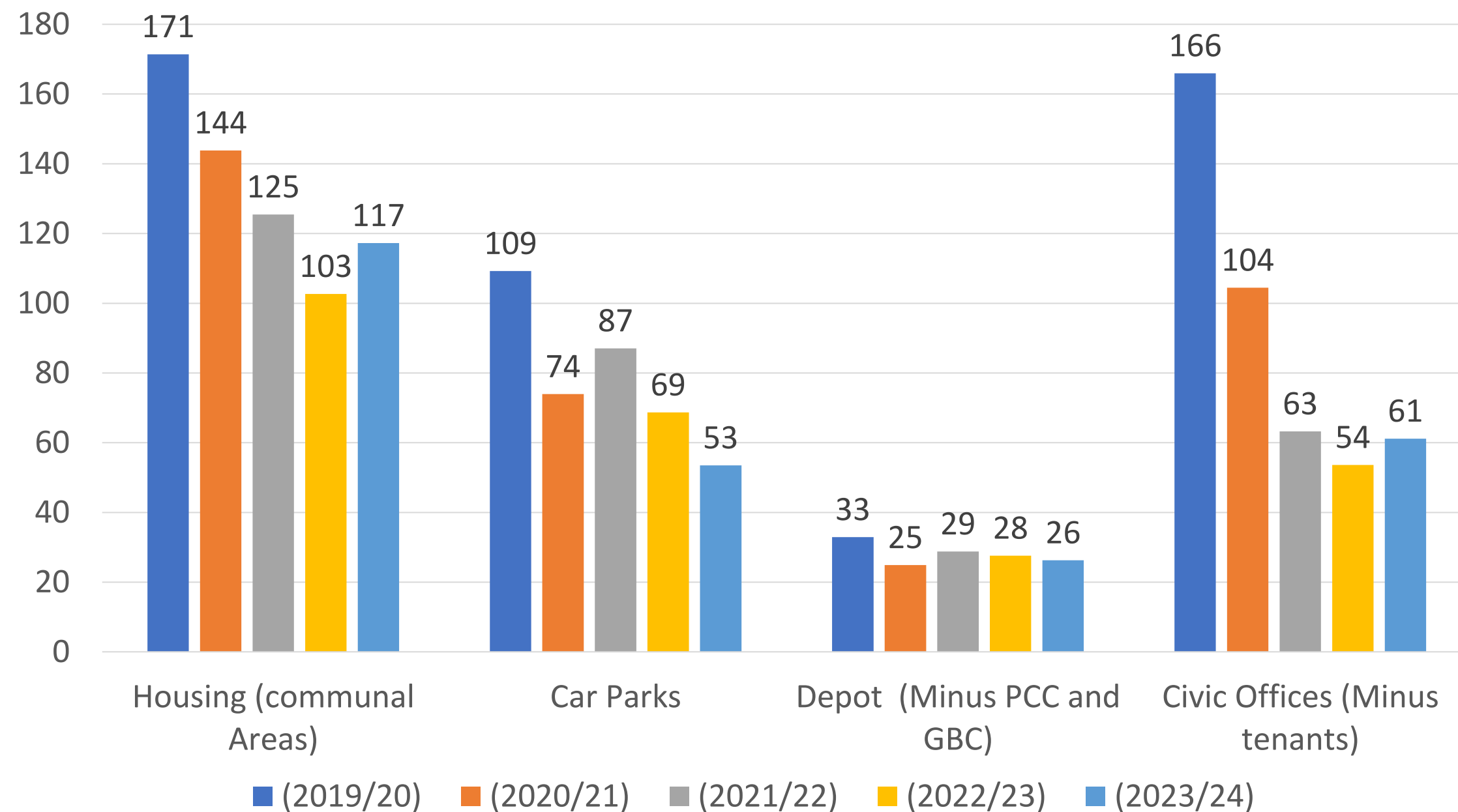
- Overall decrease of 63 tCO₂e since 2019/20 to 388 tCO₂e
- Impact of COVID in 2021/22
- Weather impacts on gas emissions eg mild winter in 2023/4



Scope 2 Electricity Emissions Breakdown

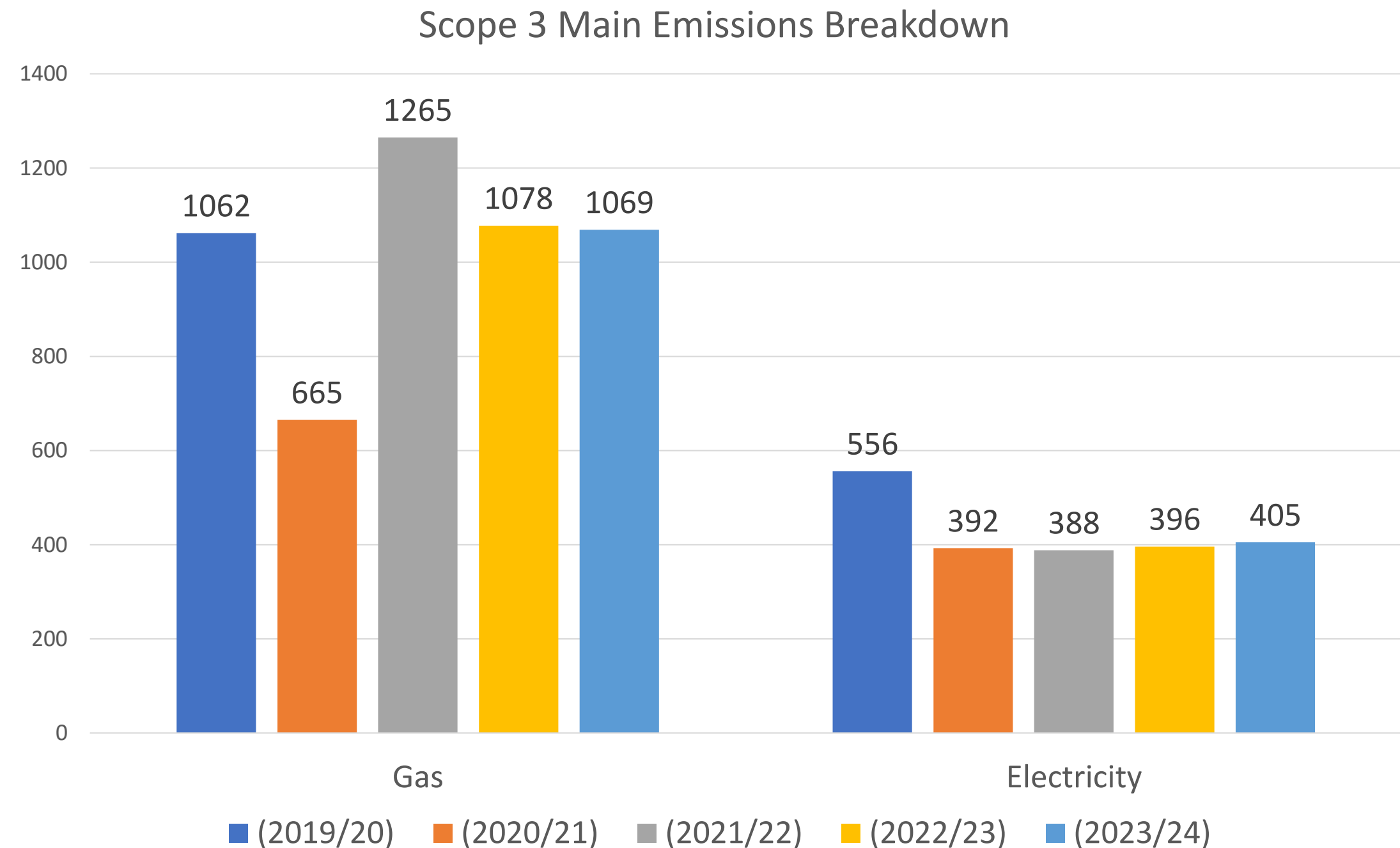
- Overall decrease of 268 tCO₂e from 2019/20 to 281 tCO₂e:
 - Car Parks decrease:
 - LED's installed when lights need replacing
 - Closure of Osborn Road
 - Housing and Civic also seen decrease:
 - Combination of behaviour change and LED lights
 - Overall decrease in electricity conversion factor affects all sites

Electricity Emissions by Location



Scope 3 Breakdown

- Overall decrease of 176 tCO₂e from 2019/20 to 1,556tCO₂e
- **Gas:**
 - 73 tCO₂e reduction in Portchester Crematorium emissions
 - Increases in Leisure Centre gas consumption
- **Electricity:**
 - Fairly consistent electricity emissions



Council Services Carbon Footprint 2022/23

- Council Services emissions have reduced by 8% between 2022/23 and 2023/24
- Gas and vehicle fuel emissions still significant challenges - Priority areas to address in the new Environment Strategy

Latest whole Borough emissions

- 2022: Borough's total emissions were 447,200 tCO₂e
- Reduction of 58,000 tCO₂e (11%) from 2019.
- FBC Council Services carbon footprint in 2022 accounted for only 0.70%
- Hampshire County Council target: County to be carbon neutral by 2050

