

HIWFRS Carbon Footprint Summary

2023/24 Carbon Footprint



2023/24 Carbon Footprint:

Buildings



56%

Fleet

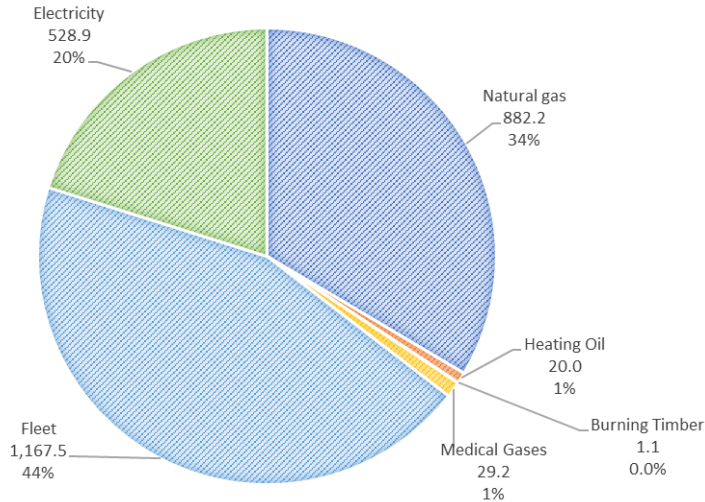


44%

Training



0.04%

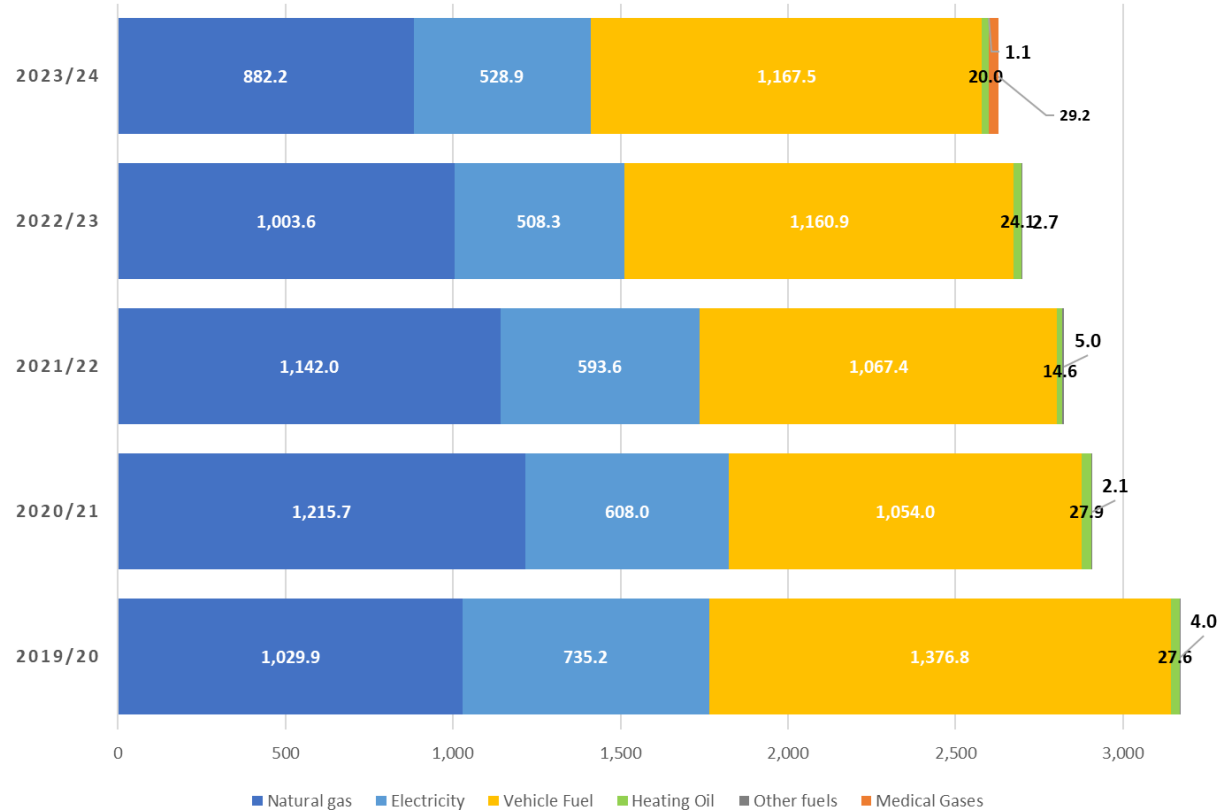


Scope	Emission source	tCO ₂ e
1	Natural gas	882.2
1	Other fuels (Heating Oil, Timber)	21.1
1	Fleet	1,167.5
1	Medical Gases	29.2
2	Electricity	528.9
Total Emissions		2,628.9
<i>Avoided emissions (Solar PV)</i>		<i>-93.5</i>

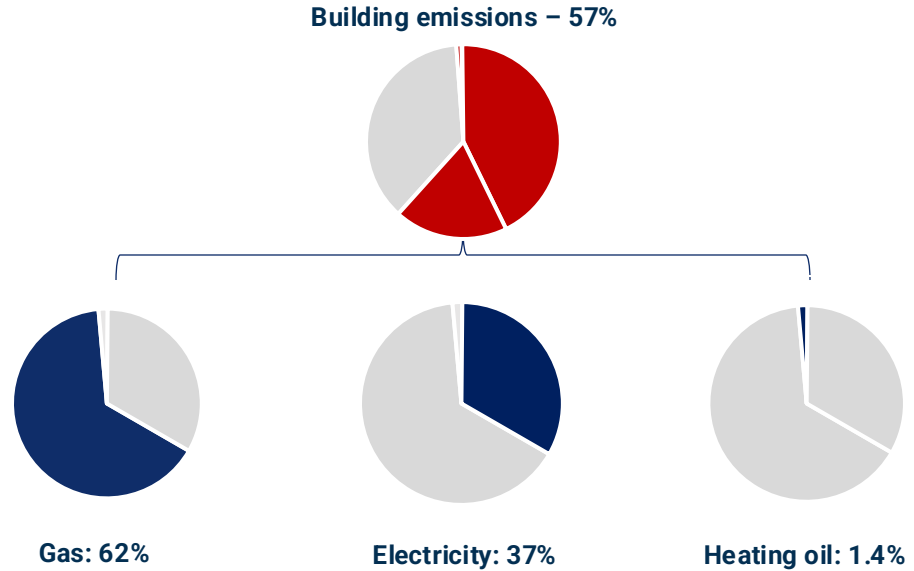
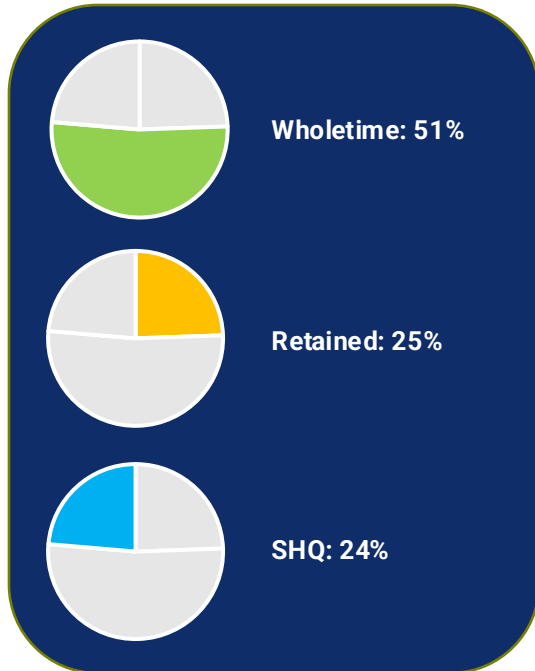
- This footprint has been calculated according to the **Greenhouse Gas (GHG) Protocol**
- **Scope 1:** Direct emissions from combustion of gas and other fuels.
- **Scope 2:** Emissions resulting from purchased electricity, heat, or steam.
- **Not included - Scope 3:** Emissions made by third parties in connection with operational activities.

Carbon Footprint Annual Comparison:

CARBON FOOTPRINT COMPARISON



Building Emissions:



**Where partners are operating on sites, emissions for all HIWFRS and shared spaces are included.*



Fleet Emissions:

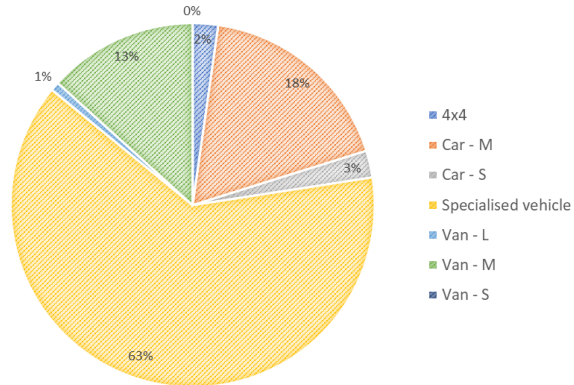
FIRE AND RESCUE

VOLVO

170 YSD

- Fleet fuel consumption represents **43%** of HIWFRS scope 1 and 2 emissions.
- HIWFRS was responsible for **435** vehicles over the period,
 - 87% of vehicles are diesel, 6% unleaded or hybrid and 7% fully electric.
- **467,495.25 litres** of fuel was consumed in the reporting period.
- Specialised vehicles account for **63%** of the total fuel use.

TCO₂E (2023/24) BY VEHICLE TYPE



Comparison to Baseline:

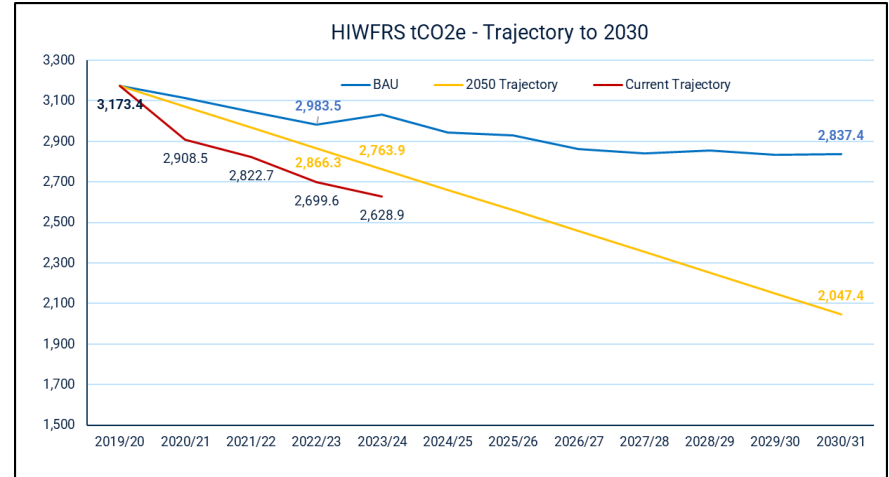
Compared to the 2019/20 baseline, HIWFRS are still on course to reach an annual reduction of **668 tCO₂e** carbon emissions each year by 2030, or a target of emitting **2,047.4 tCO₂e** per year.

This interim target will allow HIWFRS to stay on target to meet the UK national target of net zero emissions by 2050.

When comparing 2023/24 to the 2019/20 baseline, HIWFRS reduced emissions by **17%** which is an improved position in comparison to both BAU and the UK National Target trajectories.



Between now and 2030, the carbon intensity of the UK's national grid is expected to reduce by 64% as renewable generation (e.g. wind, solar) is replacing traditional fossil fuels (e.g. natural gas).



	2019/20 baseline	2023/24	Actual Reduction (tCO ₂ e)	Actual Reduction (%)
BAU	3,173.4	3,033.8	139.6	4.4%
UK National Target	3,173.4	2,763.9	409.5	13%
HIWFRS Actual Trajectory	3,173.4	2,628.9	544.5	17%



**Hampshire
& Isle of Wight**

FIRE & RESCUE SERVICE

Energy Team
Presentation

**‘Keeping our
people safe at
home, on the road
and at leisure.’**

Hampshire & Isle of Wight
Fire & Rescue Service