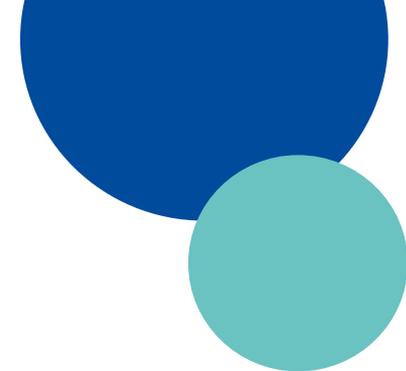


WBC Top 10 carbon emitters

Based on 2022-23 GHG Report





The top 10 carbon emitters as reported in the 2022-23 GHG report account for 93% of Waverley's reported emissions. The other 7% is made up of relatively small emissions from a number of areas.

The Burys are Scope 1 and 2 for which we have total control.

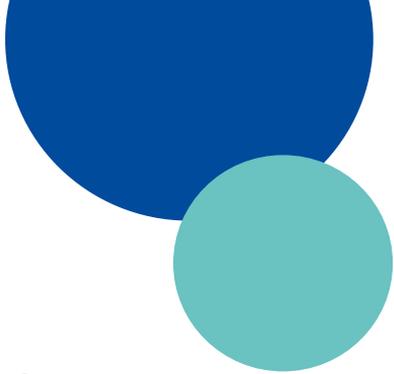
All others identified are Scope 3 and we are therefore reliant on our contractors to work with us to reduce emissions.

Net zero will not be possible in many cases and offsetting will be required.

The following table shows our top 10 carbon emitters.

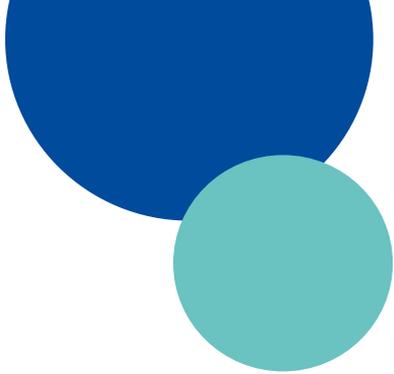


No	Site/Contractor	Total emissions (tonnes CO2e) 2022/23	% of WBC reported emissions in 2022/23
1	Biffa Fleet	1078	33%
2	Haslemere Leisure Centre (LC)	468	14%
3	Cranleigh LC	323	10%
4	Farnham LC	283	9%
5	Burys	214	7%
6	Bourne Depot	195	6%
7	Farncombe & Godalming LC	193	6%
8	Ian Williams – Housing Contractor	128	4%
9	Continental – Green Spaces Contractor	74	2%
10	The Edge LC	55	2%



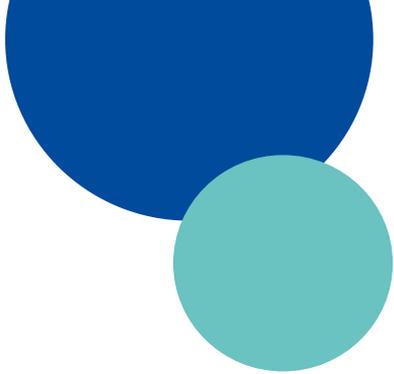
• Biffa Fleet

- Total emissions from refuse vehicles in 2022-23 1078.37 tCO₂e following a trial of Hydrotreated Vegetable Oil (HVO) to replace diesel at a cost of £50K funded from the Climate Change Reserve Fund
- HVO is costly and not a long-term solution.
- HVO does reduce emissions by 92% however not particulates which affect air quality.
- Emissions are expected to increase in 2023-24 following the end of the HVO pilot.



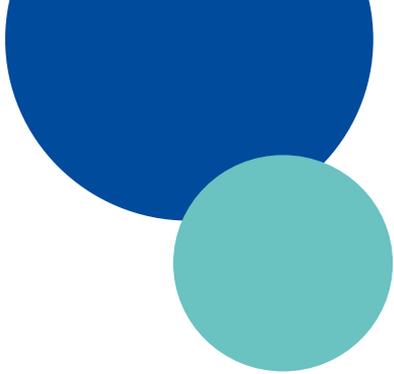
- **Biffa Fleet**

- Biffa have been asked to make a proposal for two EV dustcarts to replace existing vehicles.
- To fully convert to EV the Council would need to fund the capital difference between diesel and electric and EV infrastructure
- The infrastructure could not be fitted on the existing depot site so a new depot would need to be found.
- Major hurdles include depot space, cost of EV dustcarts versus diesel and EV infrastructure
- Not fully costed or budgeted for.

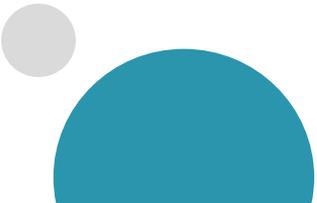


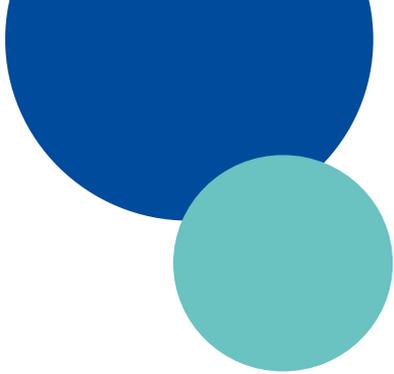
- **Haslemere Leisure Centre**

- Total emissions in 2022-23 467.99 tCO₂e
- Installation of additional 98.01 kWp solar PV in November 2023
- Saving 22.08 tonnes of CO₂e pa from 2023-24
- Other potential projects being explored include further bulb replacement with LEDs and installation of a teaching pool cover



- **Cranleigh Leisure Centre**

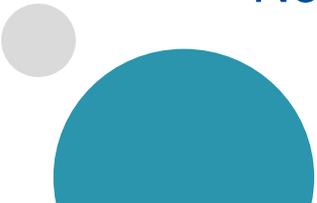
- Total emissions in 2022-23 322.68 tCO₂e
 - No reduction expected until new building completed
 - Current project to rebuild CLC to Passivhaus Standard.
 - £31M budget approved and assigned
 - Expected to be completed in winter 2026
 - The tonnes of CO₂e pa saving will be determined when the detailed design is complete
- 

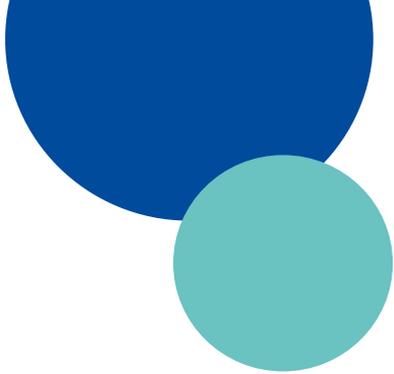


- **Farnham Leisure Centre**

- Total emissions in 2022-23 282.62 tCO₂e
- No reduction expected in 2023-24

- **Everyone Active proposal**

- Insulation Improvements saving 2.4 tCO₂e at cost of £750K
 - AHU Improvements - saving 27.8 tCO₂e at cost of £50K
 - Pump Improvements - saving 2.4 tCO₂e at cost of £35K
 - None of the above have been budgeted for
- 



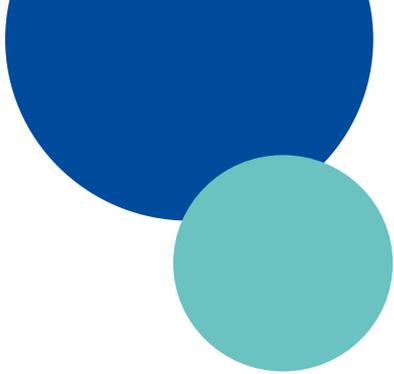
- **Farnham Leisure Centre**

- **Roof Top Solar PV**

- Solar PV – requires part roof replacement
- 118.08 kWp array
- Sports England bid for £127K made in November 2023 for the Solar PV
- Capital bid for roof replacement - £300K
- The installation of Solar PV will save 56 tCO₂e

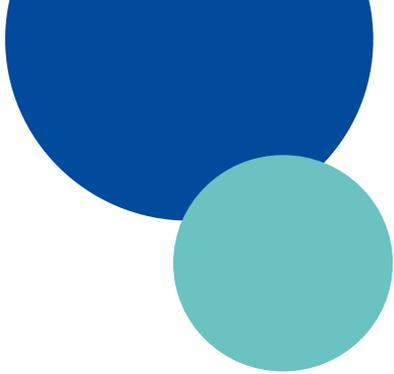
- **Air Source Heat Pumps**

- Replace existing boilers with air source heat pumps
- PSDF bid made in November 2023 for £1.5m
- Match funding £222k from Empty Homes Grant
- Saving 186.7 tCO₂e



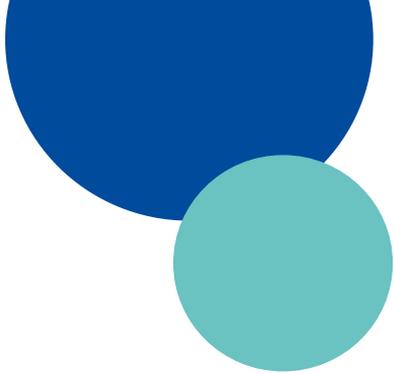
- **Burys**

- Total emissions in 2022-23 214.08 tCO₂e
- Awaiting decision on co-location
- No reduction expected in 2023-24



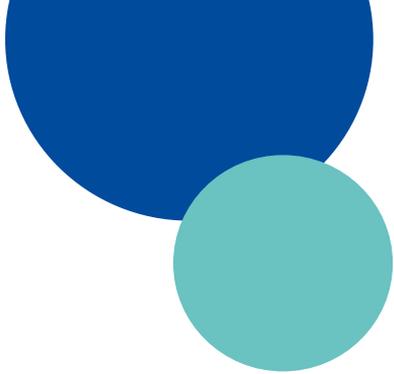
- **Bourne Depot**

- Total emissions in 2022-23 195.36 tCO₂e
- A sustainability report was carried out prior to the replacement of the boiler and the roof needs work however waiting for decision on the electrification of the fleet.
- No reduction expected in 2023-24



- **Farncombe and Godalming Leisure Centre**

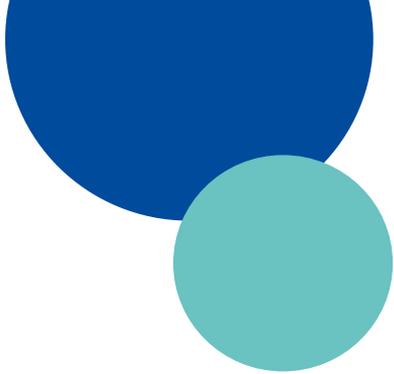
- Total emissions in 2022-23 282.62 tCO₂e
- Installation of additional 104.55 kWp solar PV in November 2023
- Saving 19.31 tonnes of CO₂e pa from 2023-24



- **Ian Williams – Contractor**

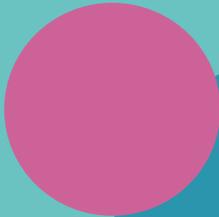
- Total emissions in 2022-23 127.66 tCO₂e
- As of last report IW have not switched any of their vehicles to electric.
- No reduction expected in 2024

- **Continental – Contractor**
- Total emissions in 2022-23 73.53 tCO₂e
- In process of switching to electric vehicles.
- Year on year reduction expected



- **The Edge**

- Total emissions in 2022-23 54.65 tCO₂e
- Property returned to SCC.
- Part year emissions for 2023
- Out of scope from 2024
- Saving 54.65 tonnes of CO₂e per year



Waverley
BOROUGH COUNCIL