

Sustainability Progress Report 2021-2022

This year was our second year of participating in the Investors in the Environment accreditation. Despite a busy clinical year with many changes and new faces we continued to measure our resources to reach reduction targets.

What did we measure and why?

- Gas and Electricity – these reflect our use of energy and fossil fuels
- Water – why waste clean water!
- Isoflurane -this anaesthetic gas acts a potent greenhouse gas
- Paper – this is our first year tracking number of paper sheets used

Key Actions

Key examples of how we have aimed to reach our targets this year include:

- Continuing to monitor our meter readings and track our resource use at all branches.
- Keeping up our waste saving initiatives using less single use items and teracycle schemes. This year we pushed to recycle even more flexible plastic through teracycle by saving syringe wrappers in clinical areas from the general waste.
- We have continued to review how energy is used in the practice and making sure systems are turned off overnight and on weekends to save usage.
- Old windows at the Market Harborough branch have been replaced with new double glazing to improve energy efficiency.
- Completed our first travel survey and installed bike racks at Market Harborough.
- Through clinical meetings and CPD we have implemented a new low flow anaesthesia protocol and optimised our pain relief protocols for surgical cases and hospital patients including using more local anaesthesia and intravenous infusions. This has allowed us to reduce isoflurane use.
- Staff took part in a number of projects outside of work including maintaining our garden space, fancy dress litter pick and an environmental themed movie night.

How are we doing?

We are delighted to report that we have achieved all of our reduction targets this year and exceeded many! Thank you to everyone who was involved in implementing and maintaining changes this year.

Resource	Electricity (kWh)	Gas (kWh)	Water (m3)	Isoflurane (ml)	Paper (sheets)
Baseline Year (2019)	63945	37616	523	20648	50000
Previous Year (2021)	47877	34490	694	20500	65000
Current Year (2022)	44740	33538	565	17750	37500
Target Reduction	-2%	-2%	-2%	-2%	-2%

Actual reduction 2021-2022	-7%	-3%	-19%	-13%	-42%
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As shown in the table we have done a great job reducing all resources this year. This has led to a saving of 3.71 tonnes of C)2 equivalent shaved off our carbon footprint (from the data we can currently measure)

2022 Carbon footprint

	Estimated Carbon Footprint (tCO2e)
Baseline Year 2019	40.94
Previous Year 2021	37.98
Current Year 2022	34.27

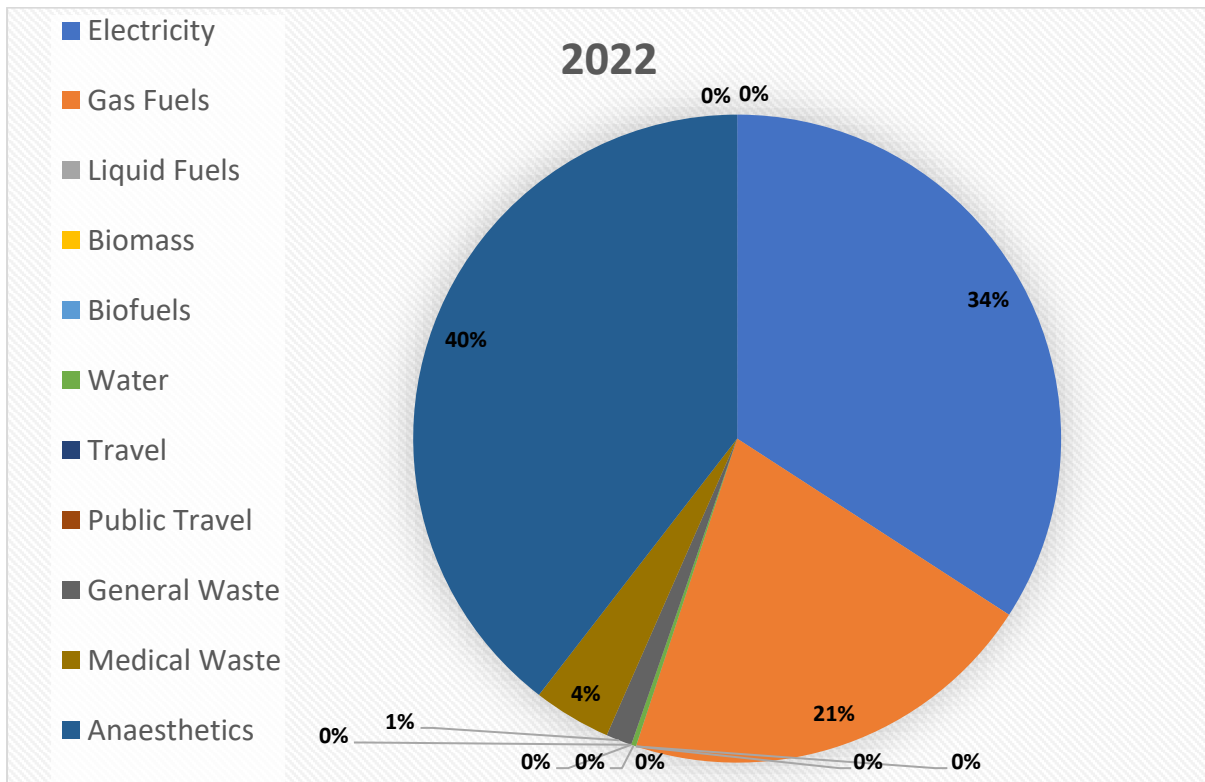


Figure 1 Pie chart detailing distribution of the calculated carbon footprint of Ash tree for 2022

Star Resource

Despite anaesthetic gases accounting for approximately 40% of the practice carbon footprint the steps taken this year have reduced the amount of isoflurane ordered by 9 bottles. This accounts for 2.1 tonnes of Co2 equivalent, which could be as much as 8000 miles driven in my skoda fabia (when using the carbon trust calculator). This is an amazing saving that we will hopefully continue to see the impact of next year.

What are next year's aims?

We want to continue making and monitoring changes and also make sure that our process changes put in place this year continue you to be part of our day to day routine.

A Green Year in Pictures!

