

FROM
AMBITION
TO ACTION



UNDERSTANDING YOUR CARBON FOOTPRINT

Session one of the Ambition to Action seminars



CLARE WATTERS

*Sustainability Consultant
with Investors in the
Environment*

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*Managing Director of
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@EnergiseLtd



**Presented by Cambridge Carbon Footprint
& Investors in the Environment**





Brought to you by



Sign the charter to become part of the solution



The Cambridge Climate Change Charter gives everyone the opportunity to find out more about their carbon emissions and how to reduce them, and to make a pledge to take action.

Sign up now to become part of the solution to the climate emergency.



Continue as an Individual or Household



Continue as Business or Organisation

Agenda:

1:30pm Welcome

**1:40pm Simon Alsbury, MD of Energise Ltd, a zero carbon consultancy:
understanding your organisation's footprint**

2:15pm Q&A

2:30pm Clare Watters, Sustainability Consultant with iiE: case studies

2:45pm Final Q&A/discussion

2:55pm Next steps

3pm End

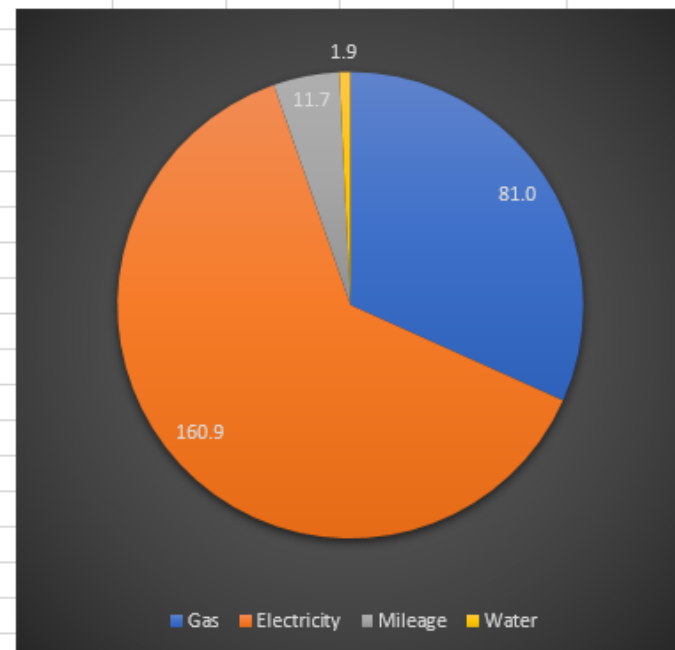
Q&A



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EXAMPLES OF SME CARBON FOOTPRINTS

Resource	Quantity	Conversion factor*	Total carbon equivalent (CO2e)
Gas (kWh)	222329	0.18385	40.88
Gas (kWh)	82649	0.18385	15.20
Gas (kWh)	0	0.18385	0.00
Gas (kWh)	135682	0.18385	24.95
Elec (kWh)	101420	0.2556	25.92
Elec (kWh)	415372	0.2556	106.17
Elec (kWh)	14574	0.2556	3.73
Elec (kWh)	98014	0.2556	25.05
Mileage, grey fleet (miles),	40131	0.29202	11.72
Water (m3)	1824	1.052	1.92
		Gas	81.0
		Electricity	160.9
		Mileage	11.7
		Water	1.9
		Total carbon footprint	253.6037159



*conversion factors taken from iie Carbon footprint guide

** Mileage assumes 50:50 petrol/diesel vehicles

Site A Elec

Travel log

Carbon footprint 2019



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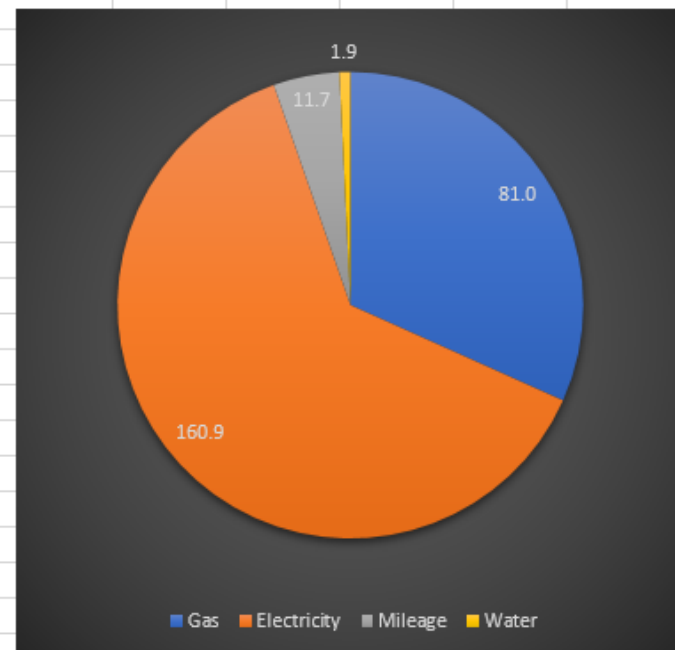
RESOURCE MONITORING DATA

	2018	2019
Month	Kwh	Total kwh
Jan	9,413	10,054
Feb	8,779	9,821
Mar	9,971	10,911
Apr	7,945	10,910
May	8,266	9,635
Jun	7,737	7,036
Jul	8,104	7,755
Aug	8,325	7,263
Sep	8,122	8,157
Oct	9,180	9,494
Nov	9,759	10,384
Dec	7,278	
Annual total	102,878	101,420
kwh / unit produced		



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Travel log

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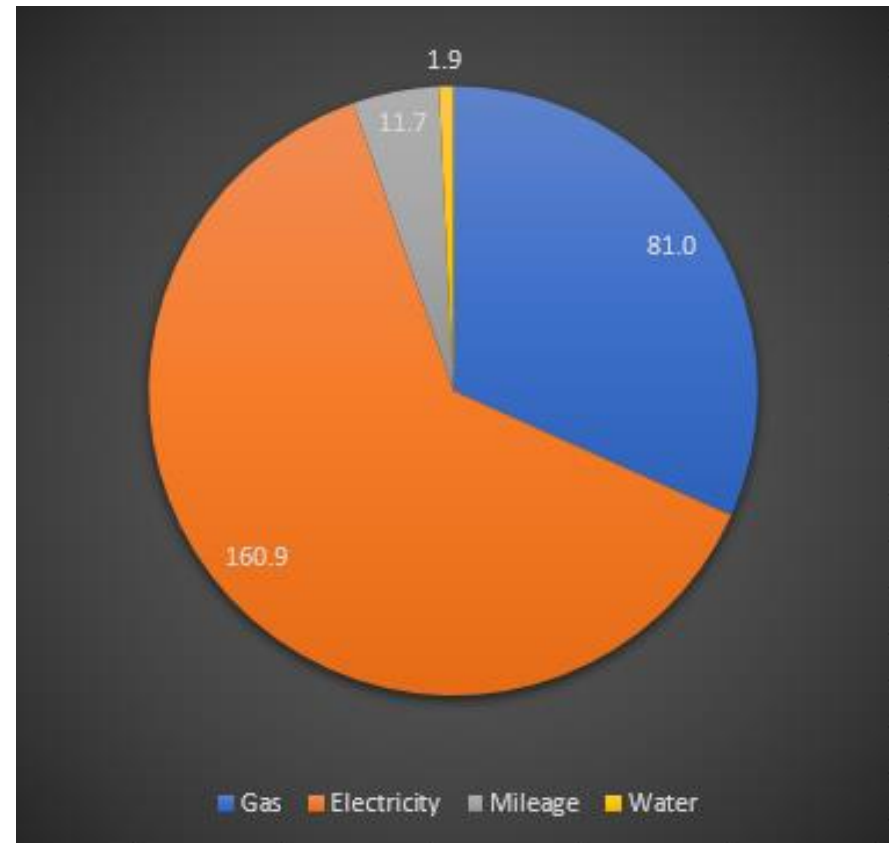


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COMMON MISTAKES:

- Break down data sufficiently, e.g. business mileage



COMMON MISTAKES: Conversion factors

TOTAL

Your emissions:

Source	tCO2e
Vehicles	5.06
Freight	0.00
Energy	9.57
Inputs	0.00
Travel	0.00
TOTAL tCO2e	14.64

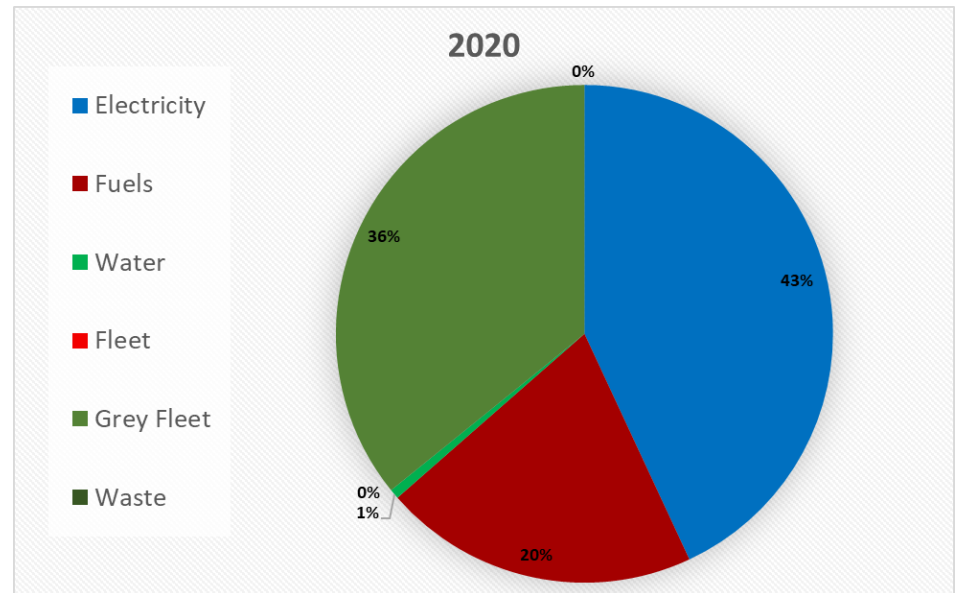
Vehicles

Freight

Energy

Inputs

Travel



Total footprint: 13.68 tonnes CO₂e

Small office based business

Accredited to Silver in 2020

<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

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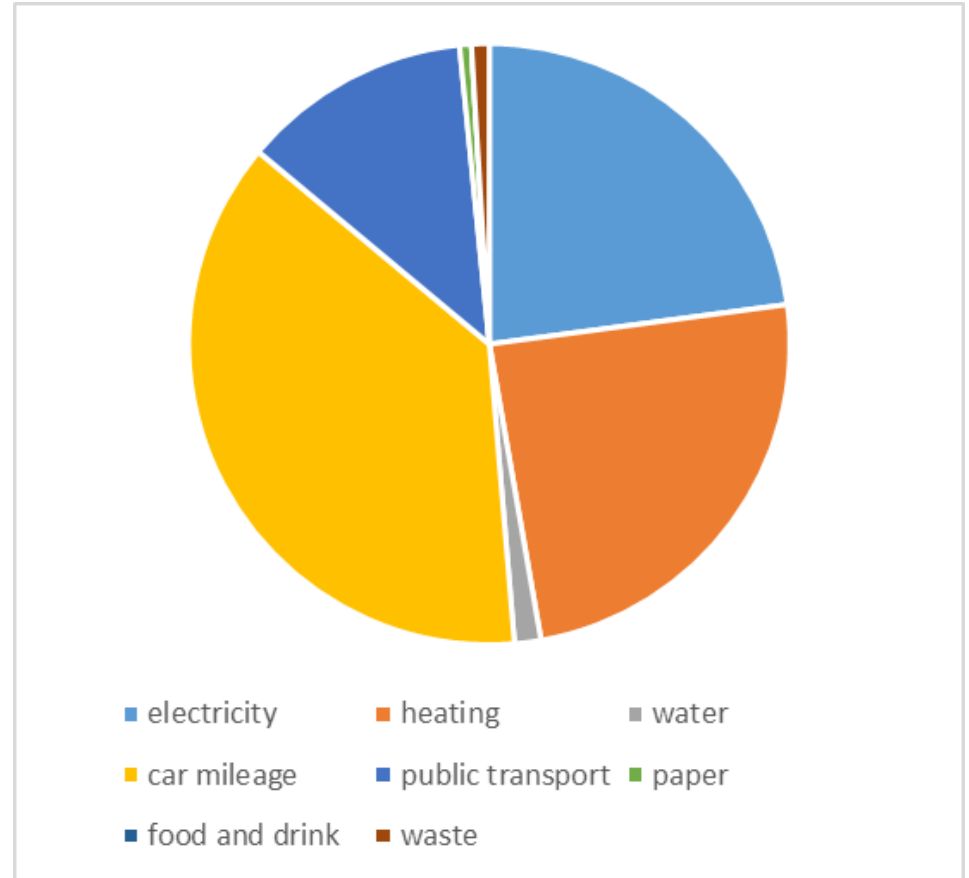


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More common mistakes

- Use the correct unit of measurement
- Transfer data accurately



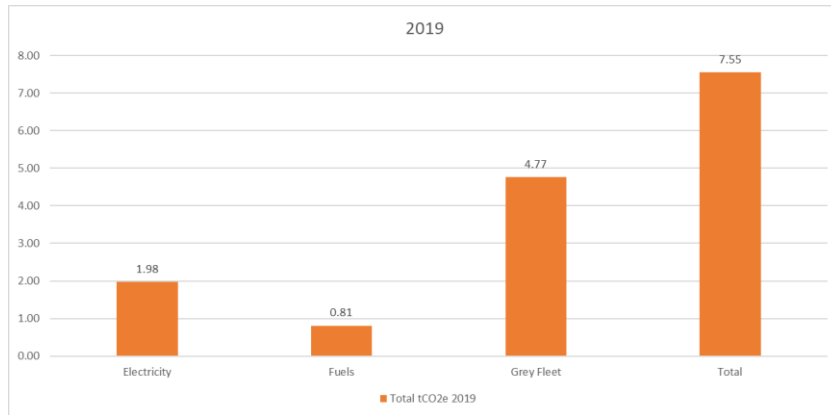
Carbon footprint: 6.1 tonnes

Small office-based business

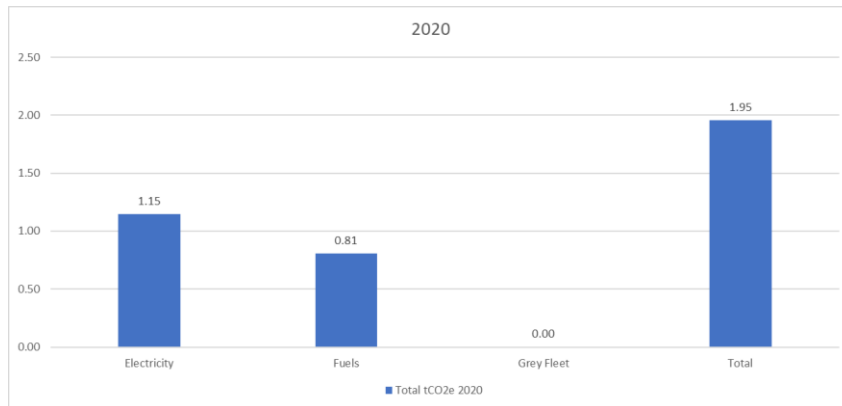
Green member for several years



Analysis of changes



Small office-based business
Recently accredited to
Bronze



<https://info.eco-act.com/en/homeworking-emissions-whitepaper-2020>

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More support

- iiE membership includes:
 - Support calculating your carbon footprint
 - The iiE carbon calculator
 - Access to Smart Carbon platform
 - Relevant training
- Forest Carbon offset your carbon footprint
- Energise

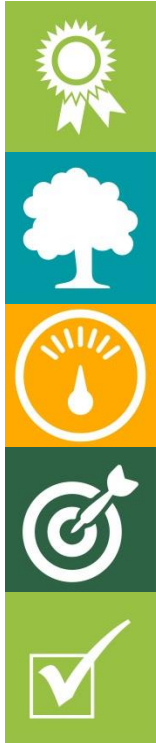


Q&A



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Key elements of an EMS



Appoint Green Champions

Environmental Policy

Measure Usage

Set Targets

Create an Action Plan



Waste Management System

Travel Plan

Calculate carbon footprint

Communicate and Engage



Next sessions



FROM AMBITION TO ACTION →

SETTING TARGETS AND MONITORING PROGRESS
TUE, 25 MAY, 1:30 PM

How to create an action plan and monitor progress



TUE, 25 MAY 1:30 PM

From Ambition to Action: Setting targets and monitoring progress



FROM AMBITION TO ACTION →

COMMUNICATION AND ENGAGEMENT
TUE, 8 JUN, 1:30 PM

How to effectively communicate your commitments and progress to internal and external stakeholders



TUE, 8 JUN 1:30 PM

From Ambition to Action: Communication and engagement

Thank you

Stay in touch:

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