

SHARPGROUP



CARBON REDUCTION PLAN

COMMITTED TO ACHIEVING NET ZERO

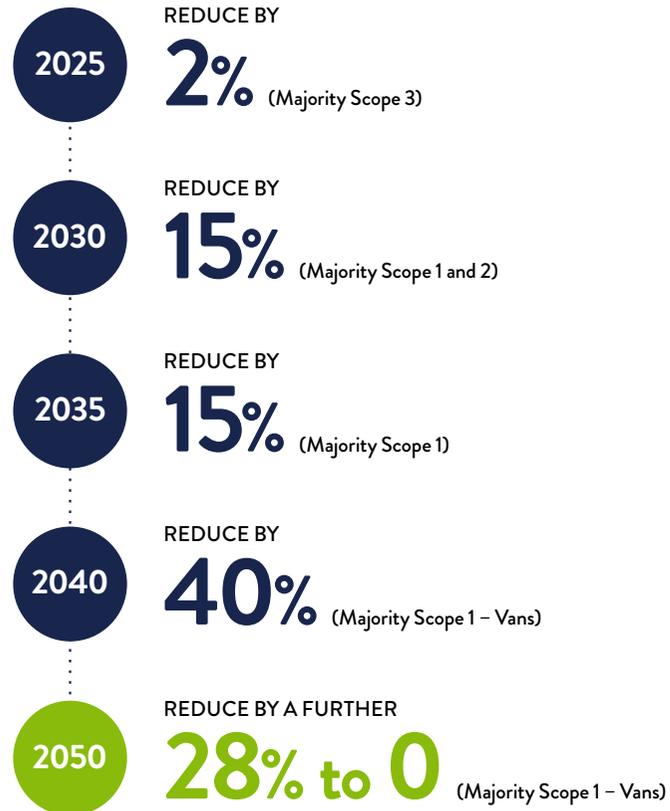
Prepared by | Sharp Group

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ACHIEVING NET ZERO

Sharp Group is committed to achieving net zero emissions by 2050 as follows:



BASELINE EMISSIONS FOOTPRINT

BASELINE YEAR: 2022

NUMBER OF STAFF: 175 METERAGE OF OFFICE SPACE NIFA: 11,500 sq ft NO. OF COMPANY VEHICLES: 28 TURNOVER: €14m

NOTES:

The total carbon output of Sharp Group in 2021 was 223.427 tonnes of CO₂e.

To normalise the metrics, this equates to 1.27 tonnes of carbon per employee, 6.74 tonnes of carbon per van and 63 tonnes per €1m of revenue.

BASELINE YEAR EMISSIONS:

EMISSIONS	TOTAL 223.427 tCO ₂ e PA
<p>SCOPE 1 Direct greenhouse (GHG) emissions that occur from sources that are controlled or owned by an organisation.</p>	<p>EMISSIONS: (173.479 tCO₂e)</p> <p>COMPANY CARS (4.227 tCO₂e) Sharp Group owns five company cars, three of which are petrol and one is hybrid. The total number of kms travelled in one year was 15,482 business travel and 13,258 (25% of overall) commuter travel. A total of 28,740 kms pa.</p> <p>COMPANY VANS (155.057 tCO₂e) Sharp Group owns 23 diesel vans. We travelled 775,287 kms pa.</p> <p>NATURAL GAS (14.195 tCO₂e) In one year, Sharp Group burned 53,788 kWh of natural gas, equating to 14.195 tCO₂e. Sharp Group has limited control over the landlord's building services. The main source of F-gasses is the HVAC system – Mitsubishi system with 54kg of R410a. We have factored in a leakage rate of 0.003 (using BREEAM 2018 leakage rate for metrically sealed units).</p>

155.057 tCO₂e
from company vans
23 diesel vans travelling 775,287 kms pa.



14.195 tCO₂e
from natural gas use
53,788 kWh of natural gas each year



32.106 tCO₂e
from electricity use
92,313 kWh of electricity each year



EMISSIONS **TOTAL 223.427 tCO₂e PA**

SCOPE 2

Covers indirect emissions from the generation of purchased electricity, steam, heating and cooling consumed by the reporting company.

EMISSIONS: (32.106 tCO₂e)

ELECTRICITY USE:

Sharp Group rents a serviced office and consequently the indirect emissions are as follows:

- 92,313 kwh of electricity each year (use of energy from regular use of computer and printing equipment to lighting and heating).

SCOPE 3

Included Sources

Includes all other indirect emissions that occur in a company's value chain.

EMISSIONS: (17.842 tCO₂e)

MATERIALS: 11.966 tCO₂e.

The purchase of materials including IT equipment which has a very high embodied carbon per Kg of equipment.

WASTE: 0.039 tCO₂e.

The main contributor is the disposal of IT equipment and paper.

BUSINESS TRAVEL: est 2.82 tCO₂e.

Car Travelled – 2000 kms per mth

COMMUTING: 5.837 tCO₂e.

Our employees commuted a total of 62677 kms in the year. 10% of travel was via public transport. To calculate scope 3, we have deducted 25% of mileage allocated to company cars, which equates to 47,008kms pa.

11.966 tCO₂e

from materials

The purchase of materials including IT equipment



0.039 tCO₂e

from waste

The main contributor is the disposal of IT equipment and paper



5.837 tCO₂e

from commuting

47,008kms pa travelled by car



EMISSIONS REDUCTION PLAN

Sharp Group is committed to achieve net zero emissions by 2050. Sharp Group is also working towards the UN Initiative – Race to Zero.

Our Baseline Emissions Footprint is YR 2022. This record of the greenhouse gases has been produced based on the past and before the introduction of any strategies to reduce emissions.

As the leading independent fire and security business in Ireland, our response to mitigating negative impacts on the environment is to responsibly measure progress for continuous improvement. In 2024, we will undertake a deep dive into calculating our carbon footprint as per the base year and review successes and challenges to update our annual commitment.

Our carbon reduction route map is as follows:

2025: Reduce by 2% (Majority Scope 3)

2030: Reduce by 15% (Majority Scope 1 and 2)

2035: Reduce by 15% (Majority Scope 1)

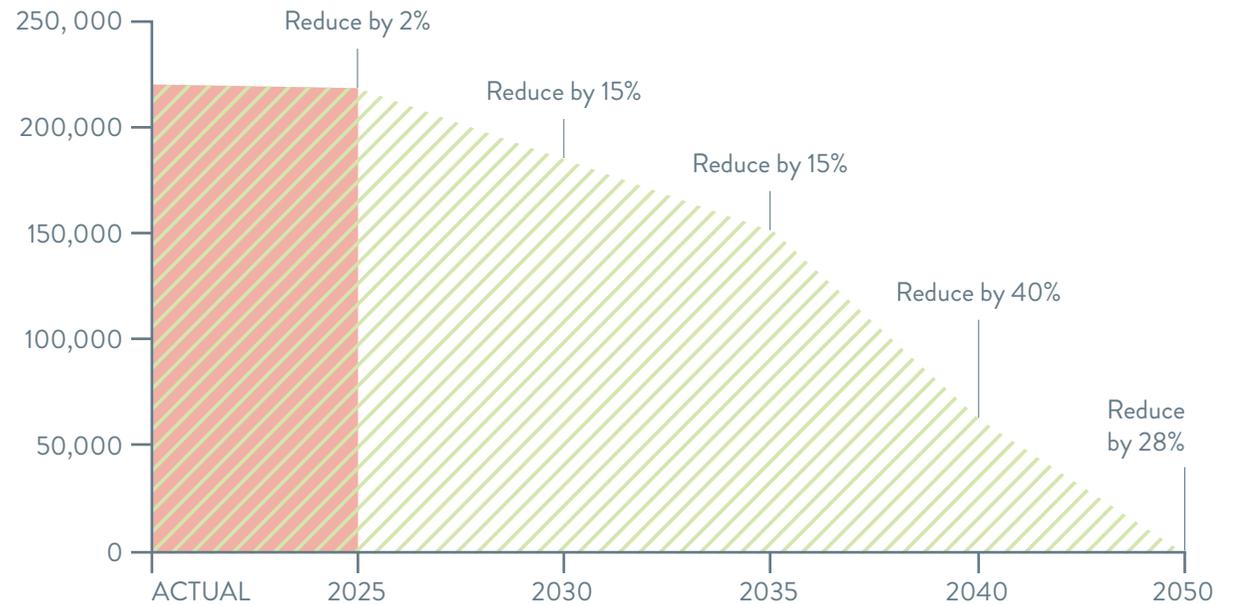
2040: Reduce by 40% (Majority Scope 1 – Vans)

2050: Reduce by a further 28% (Majority Scope 1 – Vans)

CARBON REDUCTION: PROJECTED vs ACTUAL

 TARGET EMISSIONS

 ACTUAL



CARBON REDUCTION PROJECTS

Overleaf there is an action plan to ensure environmental management measures and projects will be completed.

APPENDIX 1:

ENVIRONMENTAL MANAGEMENT SYSTEM, KPIS AND KEY AREAS OF FOCUS

PARTNER RESPONSIBLE FOR DELIVERING THE EMS: **DAVID BERRY** SUPPORTING TEAM: **SUSAN ANDERTON (Consultant)**

OVERVIEW:

Ireland has committed to achieving net zero by 2050 and a reduction of 51% by 2030. It is important we play our own part in decarbonising our organisations ahead of the legal target. We will do this by implementing the following:

ACTION	SCOPE
<p>SCOPE 1: FUELS, REFRIGERANT GAS</p> <p>COMPANY VANS:</p> <p>The largest contributor to Sharp Group’s Scope 1 is the operation of company diesel vans and the burning of natural gas.</p> <p>The biggest challenge for Ireland’s is the supply of Electric Vehicles. Ireland’s government has committed to 7% average annual emissions reduction to 2030. Sharp Group has aligned its own carbon reduction plan in with this metric.</p> <p>As EVs become more reliable and the range expands, Sharp Group will begin to transfer its fleet of 23 vans to electric from 2030. Over a 20 year period, we will replace old vehicles with electric until 2050 where all supply and quality of the vehicles is likely to have improved.</p> <p>NATURAL GAS: Investigate the potential to decarbonise natural gas by purchasing carbon offsets OR opt to use RNG for switching to renewable thermal or renewable electricity purposes. This would Scope 1 by 8.1%.</p>	<p>1</p>

ACTION	SCOPE
<p>SCOPE 2: ELECTRICITY</p> <p>Discuss with the landlord the purchase of green energy, this could reduce carbon emissions for Scope 2 significantly.</p> <p>Current fuel is made up of the following:</p> <ul style="list-style-type: none"> • Coal 11.5% • Natural Gas 41.1% • Renewable 41.1% • Oil 4.5% • Other 1.8% <p>Look at energy saving activity – printers, switching to LED lights, responsible approach to switching off IT equipment.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Reduced server requirements due to reduction in email • Reduce energy by turning off computers at night • Work with green hosting companies where possible • Ensure our supply chain is also compliant with net zero regulations 	<p>2</p>
<p>SCOPE 3: MATERIAL AND WASTE</p> <p>Scope 3 carbon emissions for Sharp Group is low level. The following practices will be implemented.</p>	
<p>The purchase of recycled paper from 2024 onwards.</p>	<p>3</p>
<p>Zero to landfill: With immediate effect, we will put in place a strategy to ensure that all significant equipment is recycled responsibly – such as old PCs.</p>	<p>3</p>
<p>Transport and travel: Continue to promote the use of sustainable travel and consider implementing cycle to work and electric company cars.</p>	<p>3</p>
<p>We will actively look to work with vendors and clients that are actively promoting high levels of environmental credentials.</p>	<p>3</p>
<p>Annual reporting will be reviewed at ISO14001 MRMs using the baseline year of 2022 to demonstrate improved performance year on year to our people and clients.</p>	<p>1-3</p>