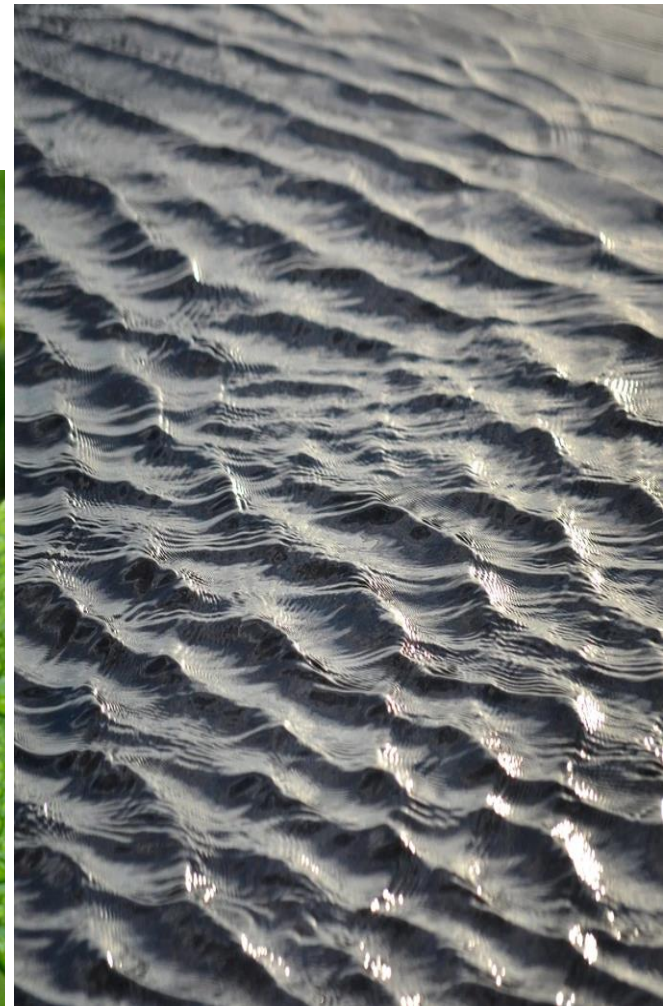




## Environment Annual Report

2023



# INTRODUCTION

This annual environmental report is the first report following a strategic management review held by senior staff on Monday 8<sup>th</sup> April 2024 as part of the implementation process to achieve certification to the current issue of ISO14001. As there have been no objectives and targets set during 2022 and 2023, the environmental team has gathered data on each of the environmental policy objectives, in order to give senior management a ‘starting point’ on which to base objectives and targets for the coming year.

Jonarve shall minimise its environmental impacts by...

 <p>MINIMISING ENERGY AND WHERE WE CAN, WATER CONSUMPTION IN OUR BUILDINGS AND PROCESSES</p>	 <p>ENSURE COMPLIANCE WITH ALL RELEVANT LEGISLATION AND OBLIGATIONS ASSOCIATED WITH OUR ACTIVITIES</p>	 <p>MANAGE OUR WASTE THROUGH REDUCTION, RE-USE AND PROMOTE RECYCLING WHERE APPROPRIATE</p>	 <p>REDUCE OUR CONTRIBUTION TO GLOBAL CLIMATE CHANGE BY MAKING YEAR ON YEAR REDUCTIONS, WHERE IT IS POSSIBLE TO DO SO, IN OUR GREENHOUSE GAS EMISSIONS</p>	 <p>RAISE ENVIRONMENTAL AWARENESS TO STAFF THROUGH IMPROVED COMMUNICATION AND INVOLVEMENT</p>
		 <p>PROMOTING WHERE POSSIBLE THE USE OF SUSTAINABLE TRANSPORT INITIATIVES</p>		

Jonarve’s core business is to provide contract filling and packaging services to a range of customers primarily in the cosmetics and personal care sector, whilst also understanding that our activities have an impact on the environment. Jonarve is committed to continually improving its environmental performance and meeting the requirements of the ISO14001 current issue.

Maintaining ISO14001 certification ensures that the Company reduces its adverse environmental impact and improves its overall environmental performance.

The Company is subject to external audits by a UKAS accredited external auditing body.

# COMPLIANCE

Jonarve has compiled a register of current legislation relevant to our activities.

Our aim is to be compliant with legislation and obligations associated with our activities.

CLEAN NEIGHBOURHOODS AND ENVIRONMENT ACT 2005  
CONTROL OF POLLUTION ACT 1974  
CONTROL OF POLLUTION ACT 1989  
ENERGY SAVINGS OPPORTUNITY SCHEME (EU EXIT REGULATIONS) 2014  
ENVIRONMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS 2010  
THE ENVIRONMENT ACT 1995  
ENVIRONMENTAL PROTECTION ACT 1990  
ENVIRONMENTAL (WALES) ACT 2016  
FOOD AND ENVIRONMENT PROTECTION ACT 1985  
GROUNDWATER REGULATIONS 2009  
NOISE ACT 1996  
THE CLEAN AIR ACT 1993  
THE COLLECTION AND DISPOSAL OF WASTE REGULATIONS 1969  
THE CONTROLLED WASTE REGULATIONS 1992  
THE ENVIRONMENTAL DAMAGE (PREVENTION AND REMEDIATION) REGULATIONS 2009  
THE HAZARDOUS WASTE (ENGLAND AND WALES) REGULATIONS 2005  
THE PACKAGING (ESSENTIAL REQUIREMENTS) REGULATIONS 2003  
THE POLLUTION PREVENTION AND CONTROL (ENGLAND AND WALES) REGULATIONS 2000  
THE PRODUCER RESPONSIBILITY OBLIGATIONS (PACKAGING WASTE) REGULATIONS 2007  
PACKAGING EXTENDED PRODUCER RESPONSIBILITY (EPR)  
THE TRADE EFFLUENTS (PRESCRIBED PROCESSES AND SUBSTANCES) REGULATIONS 1989  
THE WASTE (ENGLAND AND WALES) REGULATIONS 2011  
THE WASTE AND AIR POLLUTION REGULATIONS 2007  
THE WASTE BATTERIES AND ACCUMULATORS REGULATIONS 2009  
THE WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT REGULATIONS 2013  
THE WASTE MANAGEMENT (ENGLAND AND WALES) REGULATIONS 2006  
WATER INDUSTRY ACT 1991  
WATER RESOURCES ACT 1991



The list opposite represents legislation that has been reviewed for relevance to Jonarve Limited.

## TARGET FOR 2024

Monitoring of all relevant legislation is carried out by the environmental team together with support from the PATHWAY TO CARBON ZERO initiative ensures that we are kept up to date with relevant current legislation.

# WASTE STREAMS

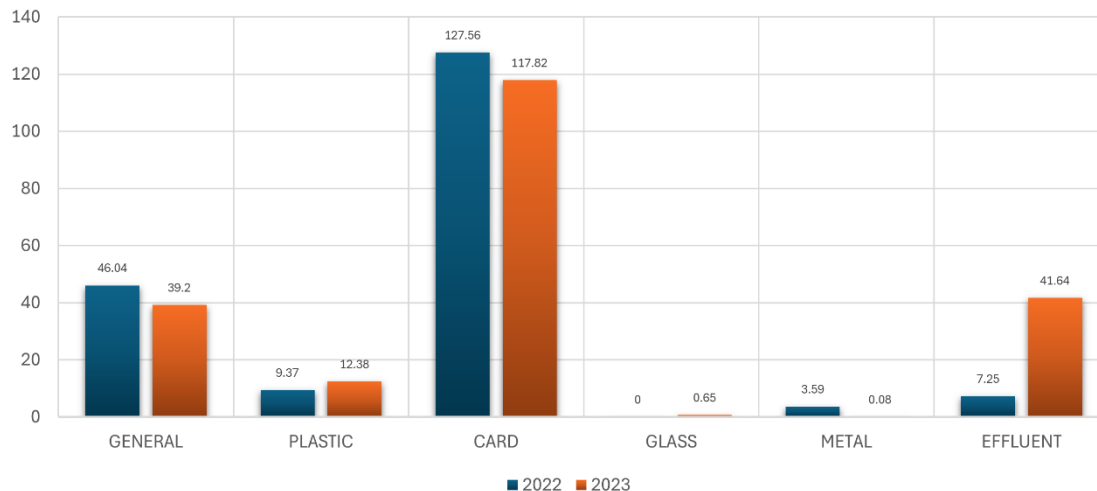
Waste created directly or indirectly by the Company is responsibly segregated and managed through 3<sup>rd</sup> party licensed waste carriers

- GENERAL WASTE (VEOLIA)
- GLASS (VEOILA)
- PLASTIC (NEW HORIZON PLASTICS)
- CARDBOARD/PAPER (PARRY AND EVANS)
- EFFLUENT (GREENWAY)
- METAL CONTAINERS (WASTECARE)



WASTE GENERATED (t)	2022	2023	CHANGE FROM PREVIOUS YEAR
TOTAL WASTE GENERATED	193.81 t	211.77 t	▲ 9%
TOTAL SENT TO LANDFILL	2 t	0 t	▼ 100%

WASTE STREAMS (Tonnes)



The chart opposite shows the breakdown of each waste stream.

Waste generated during 2023-24 included a significant amount of effluent/hazardous waste which included residual raw material from discontinued lines.

The largest waste stream is cardboard/paper which cannot be directly controlled by the Company as all cardboard waste origin is componentry shippers which are supplied free of charge by the customer.

### TARGET FOR 2024

It was identified during the management review that general waste streams can be better managed by promoting better recycling to all members of staff through awareness posters on the environmental notice boards and the 'announcements' facility via the sage payroll services.

# ENERGY

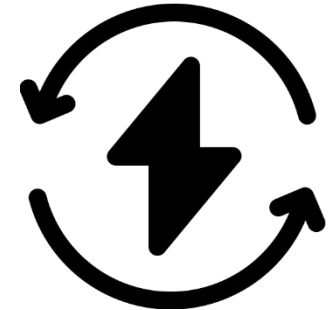
ENERGY CONSUMPTION(Kwh)	2022	2023	CHANGE FROM PREVIOUS YEAR
TOTAL ENERGY CONSUMPTION	309,978 kWh	289,776 kWh	▼ 7%
ENERGY CONSUMPTION PER m <sup>2</sup> (SITE)	47.66 kWh/m <sup>2</sup>	44.55 kWh/m <sup>2</sup>	▼ 7%

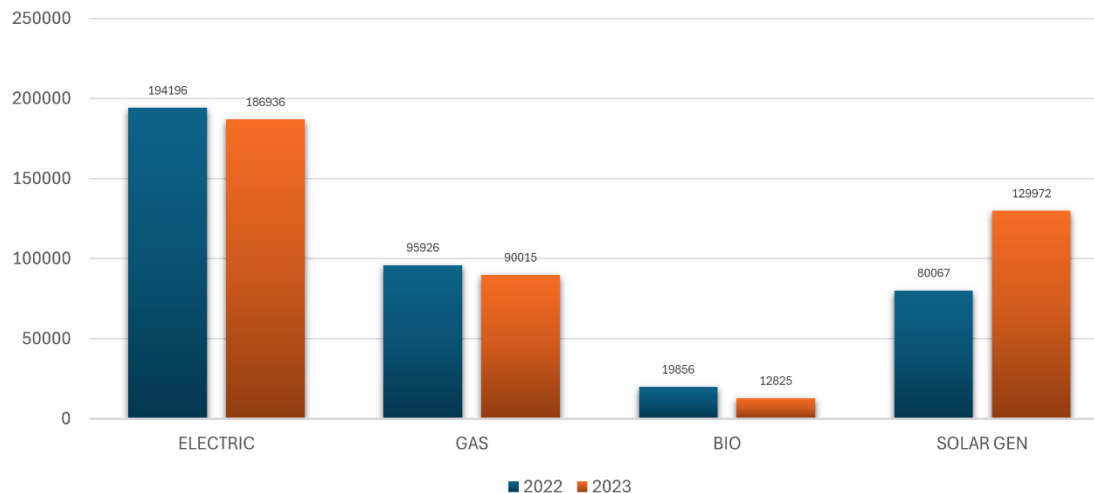
ENERGY TYPE	2022	2023	CHANGE FROM PREVIOUS YEAR
ELECTRIC	194,196 kWh	186,936 kWh	▼ 4%
GAS	95,926 kWh	90,015 kWh	▼ 6%
BIO	19,856 kWh	12,825 kWh	▼ 35%
SOLAR GENERATION	80,067 kWh	129,972 kWh	▲ 62%

ELECTRIC BREAKDOWN	2022	2023	CHANGE FROM PREVIOUS YEAR
DRAWN FROM MAINS	125,189	113,646	▼ 9%
DRAWN FROM SOLAR	69,007	73,290	▲ 6%
SOLD TO GRID	11,060	56,682	▲ 412%



ELECTRIC CONSUMPTION (Kwh)



The chart opposite shows the breakdown of energy consumption/generation.

The significant increase in solar generation during 2023 was due to the expansion of the solar array and this expansion can also be attributed to the significant increase of electricity being sold back to the grid.

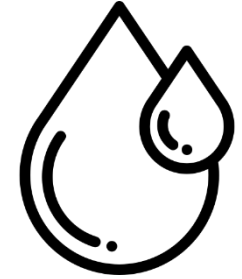
### TARGET FOR 2024

Due to the expansion of the solar array, 9% less electricity was drawn from the mains supply and a 6% increase in solar usage during 2023.

With the increase in electricity being sold back to the grid, it was decided during the management review that an investigation be carried out to determine to viability of battery installation to store excess electricity for later use.

# WATER CONSUMPTION

WATER CONSUMPTION m <sup>3</sup>	2022	2023	CHANGE FROM PREVIOUS YEAR
TOTAL WATER CONSUMPTION m <sup>3</sup>	1449 m <sup>3</sup>	1866 m <sup>3</sup>	▲ 29%
TOTAL WASTEWATER PRODUCED m <sup>3</sup>	1040 m <sup>3</sup>	1445 m <sup>3</sup>	▲ 39%



BREAKDOWN OF WATER USAGE BY MONTH	BLENDING WATER USAGE m <sup>3</sup>		GENERAL WATER USAGE m <sup>3</sup>	
	2022	2023	2022	2023
JANUARY	14.42*	14.43	80.58**	156.57
FEBRUARY	23.88*	23.88	71.12**	147.12
MARCH	26.80	29.36	69.20**	124.64
APRIL	21.58	24.14	74.18**	129.86
MAY	20.52	29.28	75.48**	124.72
JUNE	25.66	30.40	70.34**	123.60
JULY	18.17	21.24	77.83**	132.76
AUGUST	24.51	27.95	71.49**	123.05
SEPTEMBER	24.40	24.83	146.60	125.17
OCTOBER	34.43	26.33	136.57	123.67
NOVEMBER	28.66	37.18	142.34	112.82
DECEMBER	20.38	20.09	150.62	129.91
<b>TOTAL</b>	<b>283.41</b>	<b>309.11</b>	<b>1,166.35</b>	<b>1,553.89</b>
<b>PERCENTAGE OF USE</b>	<b>24%</b>	<b>19%</b>	<b>76%</b>	<b>81%</b>

\* NO DATA AVAILABLE, ESTIMATED FROM JANUARY AND FEBRUARY 2023  
 \*\* ESTIMATED BILL READINGS

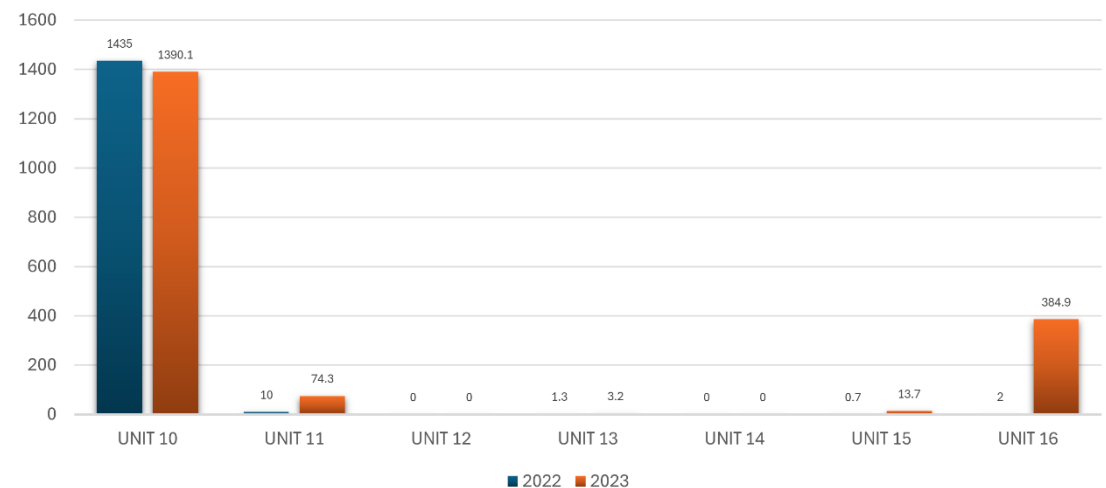
The chart opposite shows the breakdown of water consumption for each unit within the site.

The increase of water usage from 2022 to 2023 is distorted due to 2022 (JAN – AUG) being estimated bill readings following the covid 19 pandemic.

## TARGET FOR 2024

Low flush cisterns have recently been installed through the site and during 2024, usage from these low flush systems should contribute to a reduction in general water consumption.

WATER CONSUMPTION (m3)



# CARBON EMISSIONS



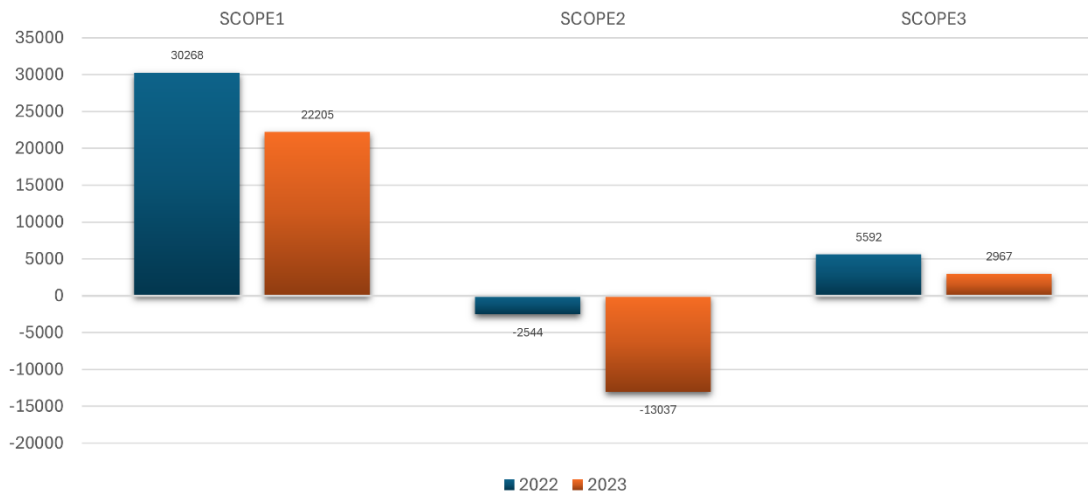
CARBON EMISSIONS	2022	2023	CHANGE FROM PREVIOUS YEAR
TOTAL CARBON EMISSIONS (Kg Co <sup>2</sup> e)	33316	12135	▼ 64%

CARBON EMISSIONS BY SCOPE	2022	2023	CHANGE FROM PREVIOUS YEAR
SCOPE 1 CARBON EMISSIONS (Kg Co <sup>2</sup> e)	30,268	22,205	▼ 27%
SCOPE 2 CARBON EMISSIONS (Kg Co <sup>2</sup> e)	-2,544	-13,037	▼ 412%
SCOPE 3 CARBON EMISSIONS (Kg Co <sup>2</sup> e)	5592	2967	▼ 47%

SCOPE 1 EMISSIONS BY SOURCE	2022	2023	CHANGE FROM PREVIOUS YEAR
GAS CONSUMPTION (Kg Co <sup>2</sup> e)	17,570	16,487	▼ 6%
BIO CONSUMPTION (Kg Co <sup>2</sup> e)	4,259	2,751	▼ 35%
AIR CONDITIONING (Kg Co <sup>2</sup> e)	8,439	2,967	▼ 65%
SCOPE 2 EMISSIONS BY SOURCE	2022	2023	CHANGE FROM PREVIOUS YEAR
ELECTRIC CONSUMPTION (Kg Co <sup>2</sup> e)	-2,544	-13,037	▼ 412%
SCOPE 3 EMISSIONS BY SOURCE	2022	2023	CHANGE FROM PREVIOUS YEAR
WASTE (Kg Co <sup>2</sup> e)	5,093	4,496	▼ 12%
WATER CONSUMPTION (Kg Co <sup>2</sup> e)	216	278	▲ 29%
WASTEWATER PRODUCED (Kg Co <sup>2</sup> e)	283	393	▲ 39%
TRANSPORT (STAFF COMMUTING) (Kg Co <sup>2</sup> e)	Not Measured	Not Measured	▶

\*ESTIMATED FIGURES

CARBON EMISSIONS (kg Co<sub>2</sub>)



The chart opposite shows the breakdown of carbon emissions per kilogram emitted.

During 2022 and 2023, the transport (staff commuting) was not measured.

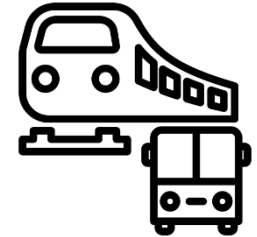
## TARGET FOR 2024

A preliminary survey has been completed and data is being gathered during 2024 to analyse the commuting trends of employees and the resulting carbon emissions

Consultations have begun with PATHWAY TO CARBON ZERO to identify ways to reduce our carbon footprint through insulation and heating. A carbon reduction policy has been drafted together with a preliminary report and a carbon net zero pledge certificate.

# TRAVEL & TRANSPORT

EMPLOYEE TRANSPORT (COMMUTING)	M'BIKE	BIKE	WALK	BUS	WFH	VAN	CAR	TOTAL
JANUARY 2024	1	2	46	11	1	3	39	103



The chart opposite shows the breakdown of transport modes that employees currently use to commute to work.

## TARGET FOR 2024

A further detailed survey of employee trends in commuting to work is to be undertaken during 2024 to gather data in order that initiatives to reduce carbon emissions can be realised.

EMPLOYEE TRANSPORT BY TYPE (2024)

