

# Sustainability Report 2023

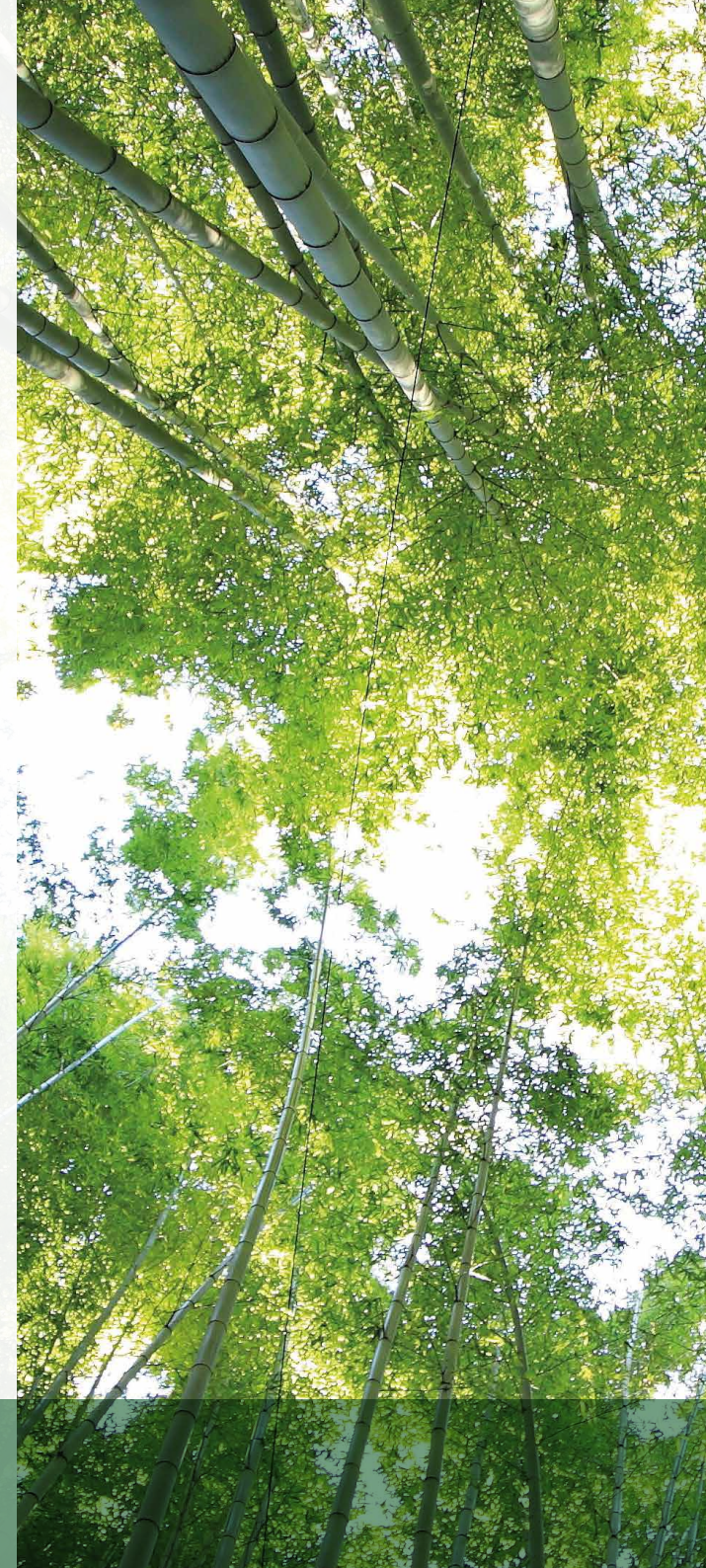
**Tullis Russell**  
HIGH PERFORMANCE COATING



# **CONTENT**

---

<b>2</b>	COMPANY PROFILE
<b>3</b>	VISION AND VALUES
<b>4</b>	EXECUTIVE SUMMARY
<b>5</b>	EMISSIONS AND ENERGY DATA 2022/23
<b>6</b>	OUR SUSTAINABILITY DEVELOPMENT GOALS
<b>7</b>	SUSTAINABILITY GOAL 7
<b>9</b>	SUSTAINABILITY GOAL 8
<b>11</b>	SUSTAINABILITY GOAL 9
<b>14</b>	SUSTAINABILITY GOAL 12
<b>16</b>	SUSTAINABILITY GOAL 13
<b>18</b>	SUSTAINABILITY GOAL 15
<b>20</b>	OUR JOURNEY TO DE-CARBONISATIONTION
<b>21</b>	GLOSSARY



## COMPANY PROFILE

 **FOUNDED IN**  
**1809**

 **OVER** **100**  
**EMPLOYEES**

 **EMPLOYEE**  
**OWNED**

 **A RATING**  
**BRC-GS FOOD**  
**CERTIFIED**  
**PRODUCTION**

 **£25m**  
**SALES IN 2022**

 **3 BUSINESS**  
**UNITS**  
**TRSECURITY TRLABEL AND TRADVANCE**

Tullis Russell Coaters Limited based in Bollington, Cheshire is part of the Tullis Russell Group, with further major manufacturing sites in South Korea and China, each of which has developed market leading expertise in its own field and is trusted by leading brands in over 120 countries.

From our plant in Bollington, Tullis Russell operates a leading international Coating and Converting company. Thanks to our cutting edge, multi-layer coating technologies, we are able to simultaneously apply different coating layers at high speed. We have a wealth of expertise in manufacturing high performance surface, silicone and adhesive coatings with extensive capabilities for contract coating and lamination, allowing us to remain at the forefront of coated paper and film development.

Our high quality trusecurity<sup>®</sup> and trudigital<sup>®</sup> products are exported to 120 countries worldwide and used in a multitude of different end applications. Our trubarrier<sup>®</sup> development is helping us displace petro-chemical based films with innovative, environmentally responsible dispersion coatings.

















# VISION AND VALUES

TO BE THE WORLD'S LEADING CREATIVE AND ENVIRONMENTALLY RESPONSIBLE COATING COMPANY.

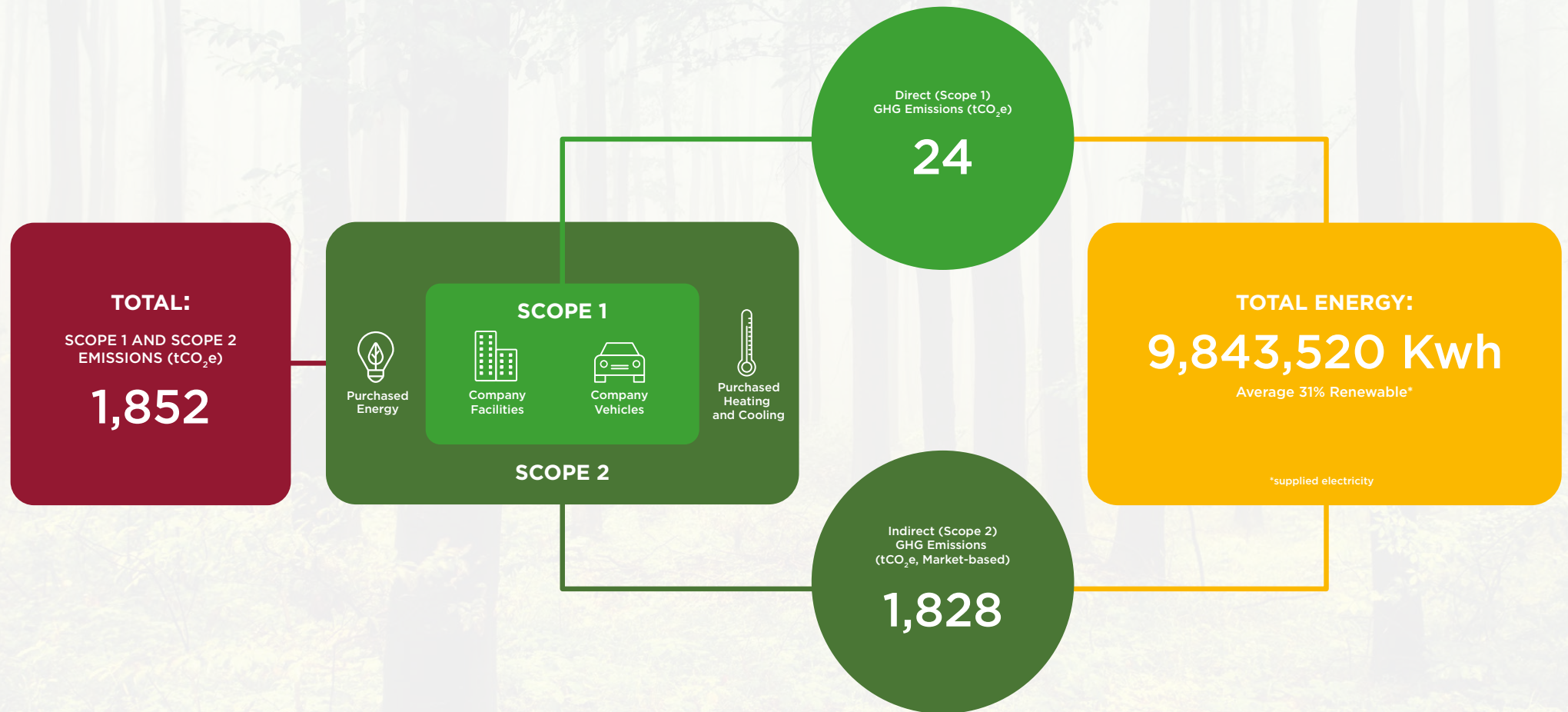


# EXECUTIVE SUMMARY

↑ Significant progress toward target  
 ➔ No current progress  
 ↓ Insufficient progress toward target

FOCUS AREA	KEY PERFORMANCE INDICATOR	LINK TO PRIORITY SDG
 <b>DE-CARBONISATION</b>	<ul style="list-style-type: none"> <li><span style="color: red;">↓</span> Increase percentage of renewable energy by consumption</li> <li><span style="color: orange;">➔</span> Reduce the Energy used to manufacture our product measured as kWh per Thousand Square Metres (TSM)</li> <li><span style="color: green;">↑</span> Year on Year reduction in GHG emissions, with a 50% reduction by 2030</li> </ul>	  
 <b>ENHANCING COMMUNITY WELLBEING</b>	<ul style="list-style-type: none"> <li><span style="color: red;">↓</span> Increase TSM per employee per productive hour</li> </ul>	 
 <b>SUSTAINABLE INNOVATIONS</b>	<ul style="list-style-type: none"> <li><span style="color: red;">↓</span> Reduce volume of water used per TSM</li> <li><span style="color: orange;">➔</span> Increase percentage of all waste recycled</li> <li><span style="color: red;">↓</span> Increase Goods-in TSM per delivery vehicle</li> <li><span style="color: red;">↓</span> Increase Goods-in TSM per haulage vehicle</li> <li><span style="color: green;">↑</span> Reduce CO<sub>2</sub> emissions per TSM</li> </ul>	  
 <b>RAW MATERIAL SECURITY</b>	<ul style="list-style-type: none"> <li><span style="color: green;">↑</span> Increase the proportion of FSC paper in our supply chain</li> </ul>	 

# EMISSIONS AND ENERGY DATA 2022/23



# OUR SUSTAINABILITY DEVELOPMENT GOALS

Our values align with the United Nations Sustainable Development Goals. These were conceived in 2015 by the UN General Assembly as an urgent call to action to work together in a global partnership towards peace and prosperity for people and the planet, both now and in the future.

We are committed to play our part in supporting the targets behind these 17 goals and are working to achieve relevant goals by 2030.



ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL.



PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL.



BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRY AND FOSTER INNOVATION.



ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS.



TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS.



PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGED FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS.

**7** AFFORDABLE AND  
CLEAN ENERGY



## SUSTAINABILITY GOAL 7: AFFORDABLE AND CLEAN ENERGY

---

Ensure access to affordable, reliable, sustainable and modern energy for all.

- 7.2** By 2030, increase substantially the share of renewable energy in the global energy mix.
- 7.21** Renewable energy share in the total final energy consumption.
- 7.3** By 2030, double the global rate of improvement in energy efficiency.
- 7.31** Energy intensity measured in terms of primary energy and GDP.



TO INCREASE  
PERCENTAGE OF  
RENEWABLE ENERGY  
BY CONSUMPTION.

---

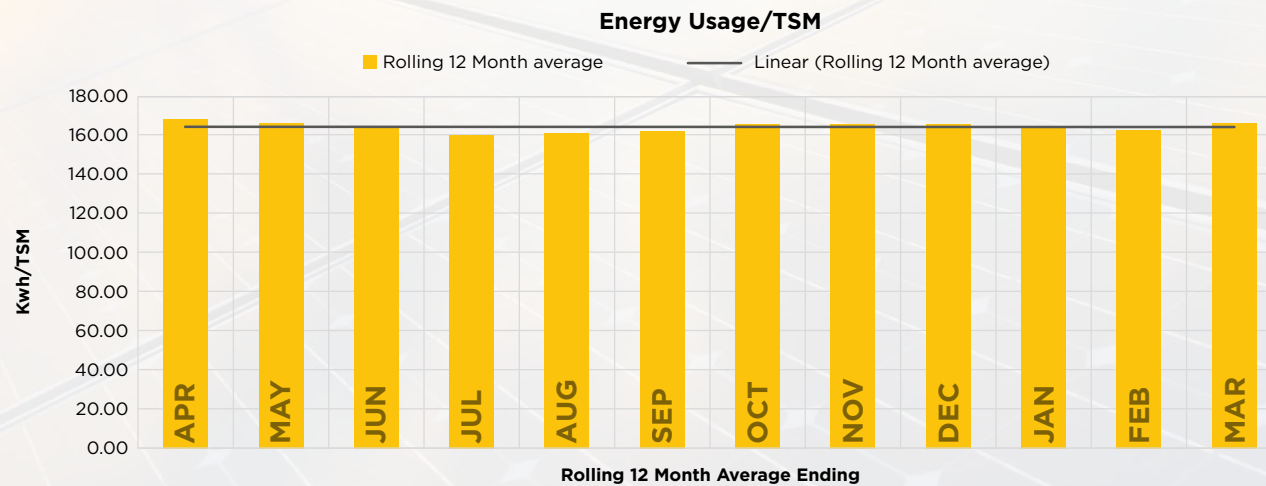
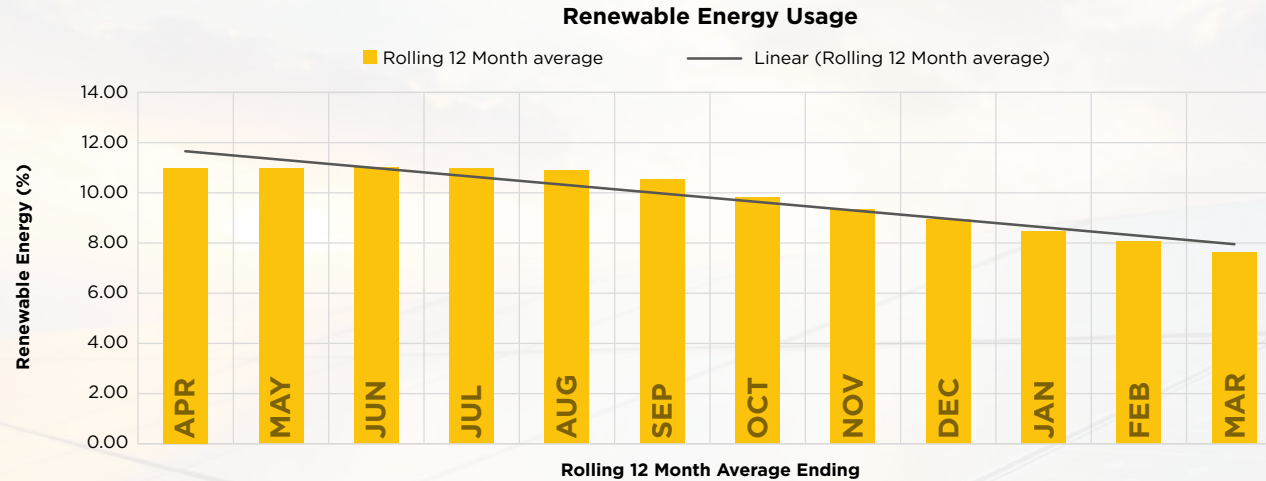
REDUCE THE  
ENERGY USED TO  
MANUFACTURE OUR  
PRODUCT MEASURED  
AS KWH PER  
THOUSAND SQUARE  
METRES (TSM).



# SUSTAINABILITY GOAL 7: AFFORDABLE AND CLEAN ENERGY



We are visionary in climate protection and with our energy management we ensure a high-level of efficiency, supported by processes, our culture and values.



Month	KPI 1	KPI 2
	2022/23	2022/23
	Rolling 12 Monthly Average	Rolling 12 Monthly Average
Apr	10.98	168.60
May	10.97	166.79
Jun	10.98	164.44
Jul	10.97	160.56
Aug	10.91	161.91
Sep	10.56	162.96
Oct	9.83	166.31
Nov	9.36	166.43
Dec	8.96	166.21
Jan	8.50	165.28
Feb	8.04	163.22
Mar	7.63	166.57

To protect our Energy Prices and remain competitive we had to source our electricity from a less renewable supplier for the short-term but have since sourced a 100% renewable contract.

Our Energy usage has, to date, remained fairly static and we are looking to innovative solutions to reduce this moving forward.

**8** DECENT WORK AND  
ECONOMIC GROWTH



## SUSTAINABILITY GOAL 8: DECENT WORK AND ECONOMIC GROWTH

---

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

**8.2** Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors.

**8.2.1** Annual growth rate of real GDP (labour productivity) per employed person.



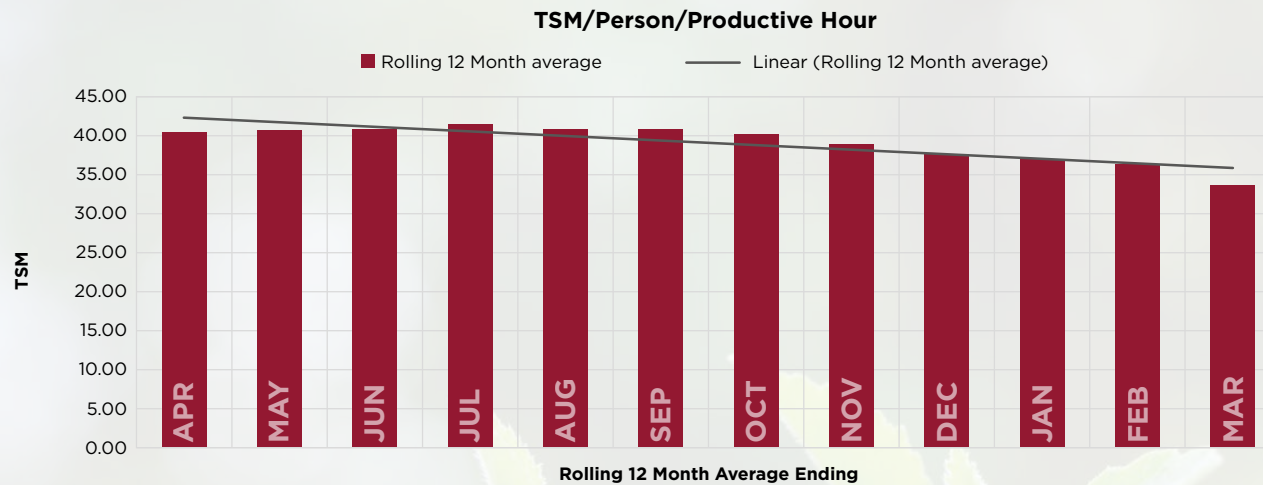
**INCREASE TSM PER  
EMPLOYEE PER  
PRODUCTIVE HOUR.**

# SUSTAINABILITY GOAL 8: DECENT WORK AND ECONOMIC GROWTH



As an employee owned company we value our employees as owners that are invested stakeholders.

Our legacy of continuous improvement in the health and safety of our people will remain a key focus and our long-term commitment to operate with zero harm is uncompromising.



### KPI 3 2022/23

Month	Rolling 12 Monthly Average
Apr	40.44
May	40.72
Jun	40.83
Jul	41.43
Aug	40.87
Sep	40.81
Oct	40.15
Nov	38.91
Dec	37.66
Jan	37.05
Feb	36.28
Mar	33.61

A global downturn in demand towards the end of 2022 impacted production but allowed labour secondment toward attaining our BRC-GS Certification.

## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



### SUSTAINABILITY GOAL 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

Build resilient infrastructure, promote inclusive and sustainable industry and foster innovation.

- 9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all.
- 9.2.1 Passenger and freight volumes, by mode of transport.
- 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities.
- 9.4.1 CO<sub>2</sub> emission per unit of value added.



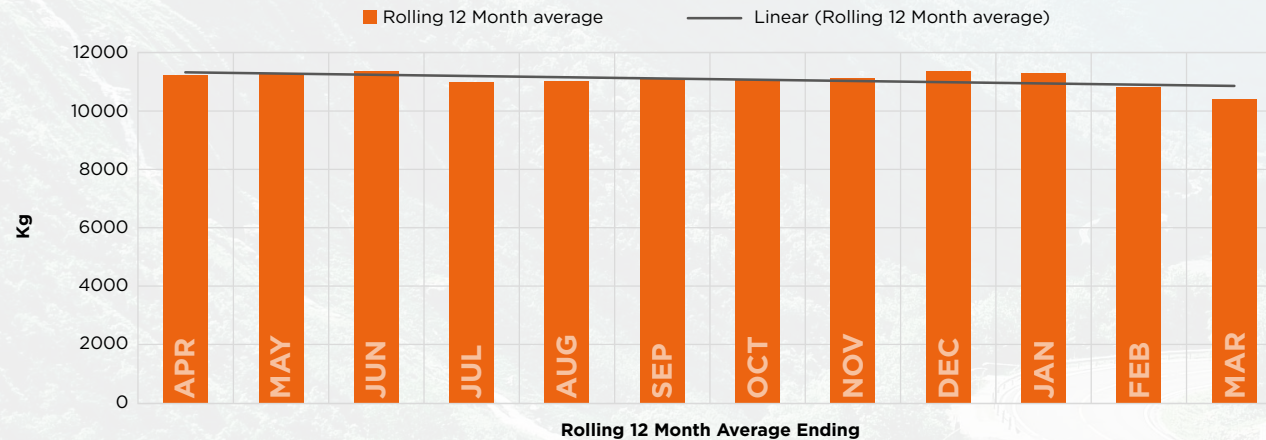
INCREASE GOODS-IN  
TSM PER DELIVERY  
VEHICLE AND  
HAULAGE VEHICLE.

REDUCE CO<sub>2</sub>  
EMISSIONS PER TSM.

# SUSTAINABILITY GOAL 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

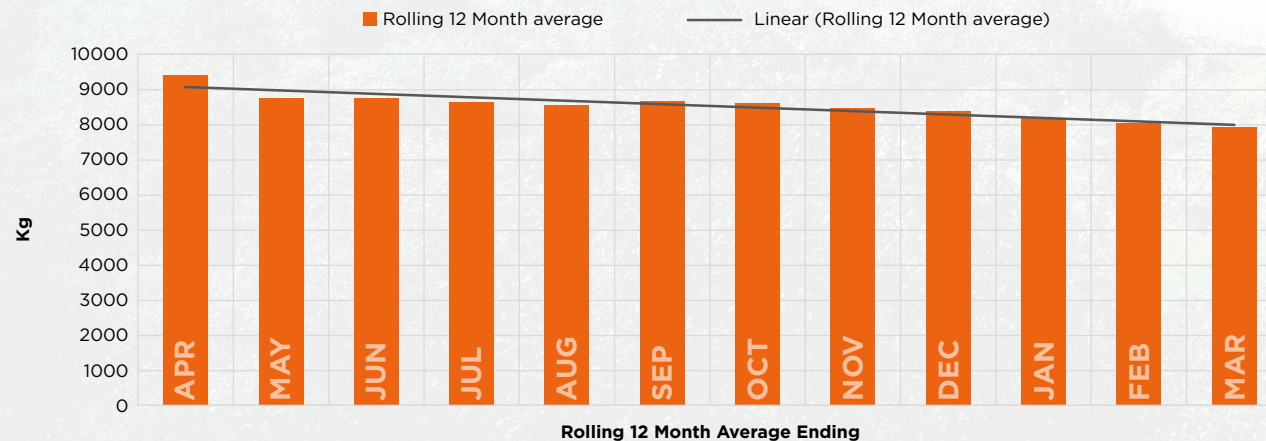


**KG per Goods in Vehicle**



Rolling 12 Month Average Ending

**KG per Despatch Vehicle**



Rolling 12 Month Average Ending

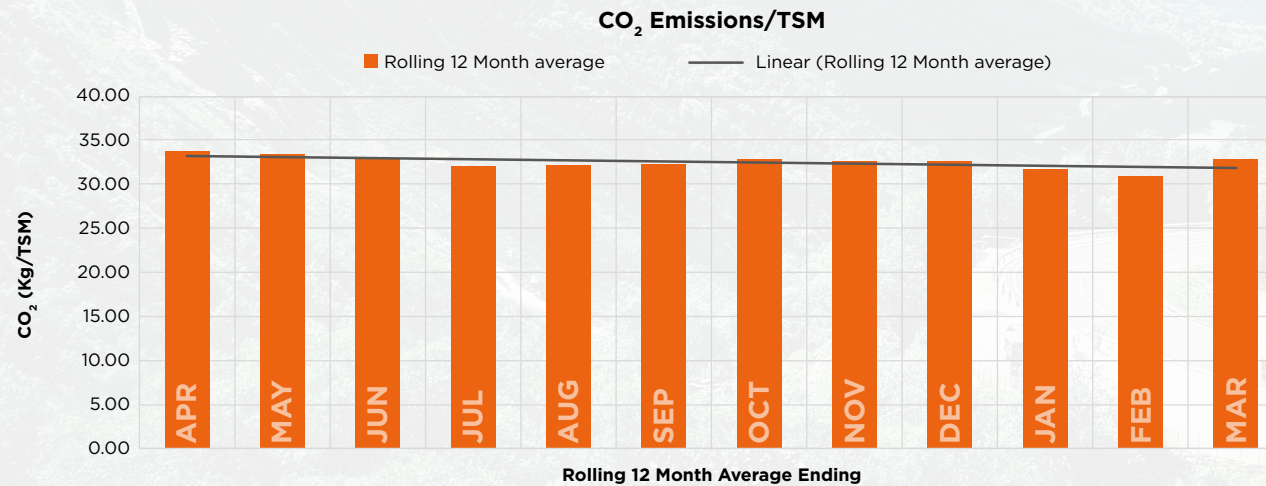
We make investments in our production facility and sustainable innovations, include the continuous improvement of Tullis Russell's existing technologies and processes as well as driving systemic change through forward looking solutions.

Month	KPI 4	KPI 5
	2022/23	2022/23
	Rolling 12 Monthly Average	Rolling 12 Monthly Average
Apr	11,230	9,410
May	11,290	8,770
Jun	11,385	8,750
Jul	10,982	8,632
Aug	11,037	8,542
Sep	11,110	8,660
Oct	11,069	8,613
Nov	11,121	8,472
Dec	11,369	8,389
Jan	11,278	8,220
Feb	10,830	8,041
Mar	10,412	7,929

(Goods-in) The amount of raw material delivered per vehicle has remained constant overall, but we are working with our supply chain partners to optimise haulage efficiencies, coupled with reducing vehicle movements.

(Despatch) We are working with our customer base and logistics partners to maximise haulage utilisation.

# SUSTAINABILITY GOAL 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE



## KPI 6 2022/23

Month	Rolling 12 Monthly Average
Apr	33.81
May	33.43
Jun	32.90
Jul	32.05
Aug	32.21
Sep	32.30
Oct	32.82
Nov	32.74
Dec	32.61
Jan	31.82
Feb	30.91
Mar	32.84

Year-on-year we are achieving reductions in Scope 1 and 2 CO<sub>2</sub> emissions, with a 7% decrease during 2022/23 and are on track toward an absolute reduction against our baseline, as we further de-carbonise our processes.



## SUSTAINABILITY GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION

Ensure sustainable consumption and production patterns.

**12.2** By 2030, achieve the sustainable management and efficient use of natural resources.

**12.2.1** Material footprint, material footprint per capita, and material footprint per GDP.

**12.5** By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.

**12.5.1** National recycling rate, tons of material recycled.

**12.6** Encourage companies, especially large and transnational companies, to adopt sustainable practices to integrate sustainability information into their reporting cycle.

**12.6.1** Number of companies publishing sustainability reports.



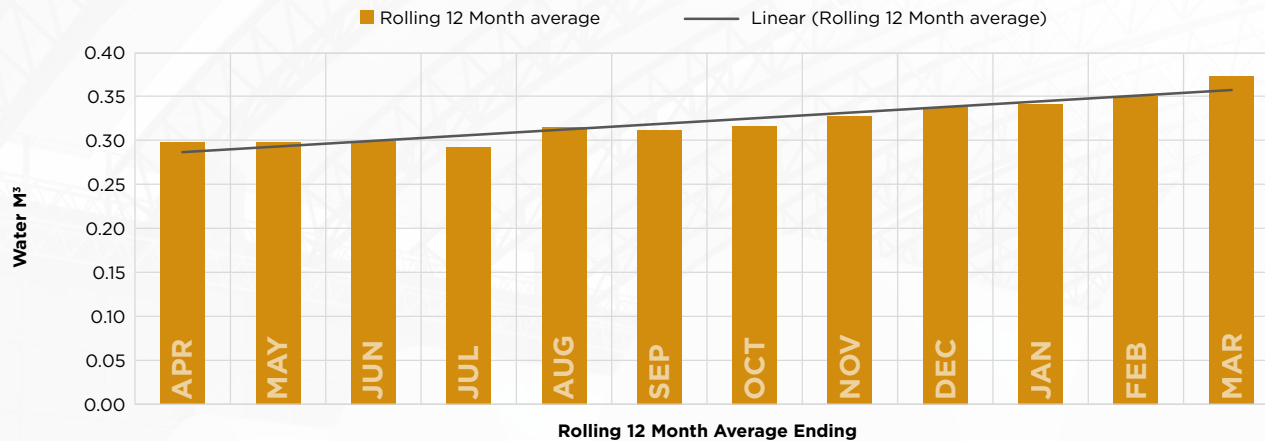
REDUCE VOLUME OF  
WATER USED PER TSM.

INCREASE  
PERCENTAGE OF ALL  
WASTE RECYCLED.

# SUSTAINABILITY GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION



**Water Usage/TSM**

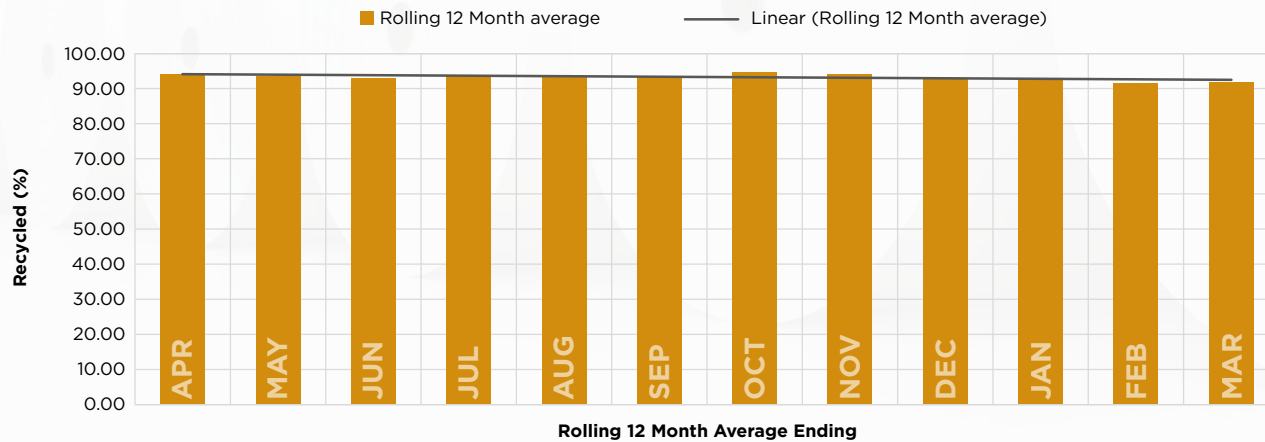


The growing customer demand for recyclable and sustainable products and the scarcity of critical resources, provide Tullis Russell with the opportunity to develop innovative and sustainable solutions, that enable ourselves and customers to conserve natural resources and minimize waste.

In the spirit of a circular economy, Tullis Russell aims to achieve efficient and sustainable production methods through sustainable sourcing and the efficient use of wood as a raw material.

All our waste is subject to material and energy recovery, with zero to landfill.

**Waste Recycling Percentage**



Month	KPI 7 2022/23	KPI 8 2022/23
	Rolling 12 Monthly Average	Rolling 12 Monthly Average
Apr	0.30	93.80
May	0.30	93.41
Jun	0.30	93.05
Jul	0.29	93.58
Aug	0.32	93.64
Sep	0.31	93.64
Oct	0.32	94.53
Nov	0.33	93.91
Dec	0.34	93.08
Jan	0.34	92.86
Feb	0.35	91.69
Mar	0.37	91.74

A 19% increase in water usage from our on-site borehole is encouraging focus on water reduction led by operational and planning efficiencies.

At an overall average for 2022/23 of 93% waste recycling we are exploring options for the remaining 7%, of which currently goes to a Waste to Energy Facility.





13 CLIMATE ACTION



## SUSTAINABILITY GOAL 13: CLIMATE CHANGE

---

Take urgent action to combat climate change and its impacts.

**13.2** Integrate climate change measures into national policies, strategies and planning.

**13.2.2** Total greenhouse gas emissions per year.



**ELECTRICITY FROM 100% RENEWABLE SOURCES.**

---

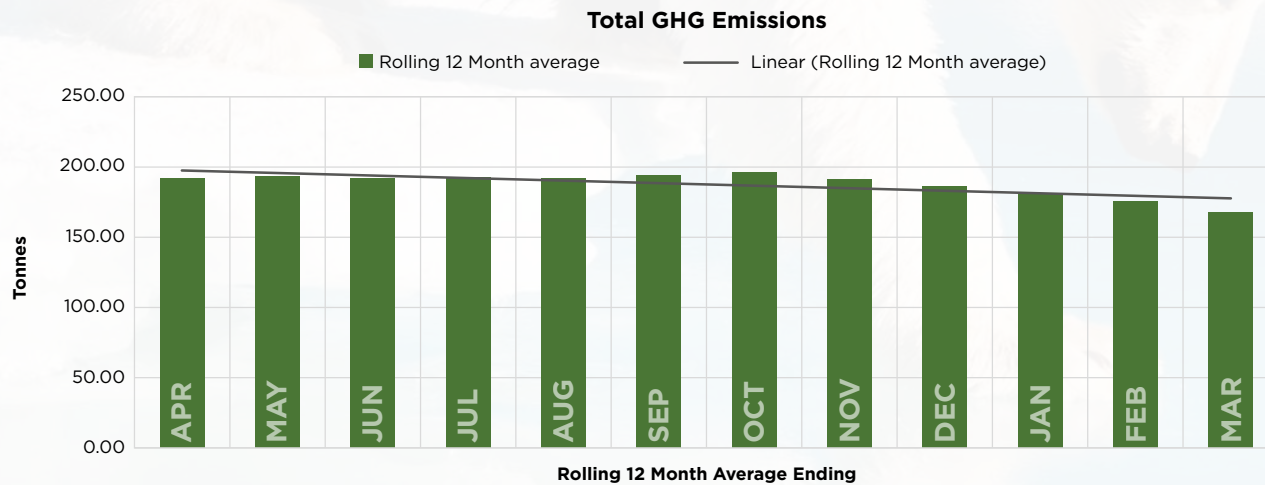
**YEAR ON YEAR REDUCTION IN GHG EMISSIONS, WITH A 50% REDUCTION BY 2030.**

# SUSTAINABILITY GOAL 13: CLIMATE CHANGE



Change in regulations and increased climate change awareness, has focused Tullis Russell to improve processes and culture to reduce absolute GHG emissions to support our journey toward a carbon neutral and net-zero carbon future.

Tullis Russell are committed to reducing greenhouse gas emissions by 50% by 2030 with absolute reduction in Scope 1 and 2 CO<sub>2</sub>e against our baseline.



## KPI 9 2022/23

Month	Rolling 12 Monthly Average
Apr	192.03
May	193.01
Jun	191.72
Jul	191.57
Aug	191.98
Sep	193.86
Oct	195.85
Nov	191.20
Dec	186.21
Jan	181.74
Feb	175.48
Mar	167.91

With a 13% reduction in greenhouse gas emissions in 2022/23, we are on target to a 50% reduction in GHG Emissions by 2030.



## SUSTAINABILITY GOAL 15: LIFE ON LAND

---

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably managed forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

**15.2** By 2030, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally.

**15.2.1** Progress towards sustainable forest management.



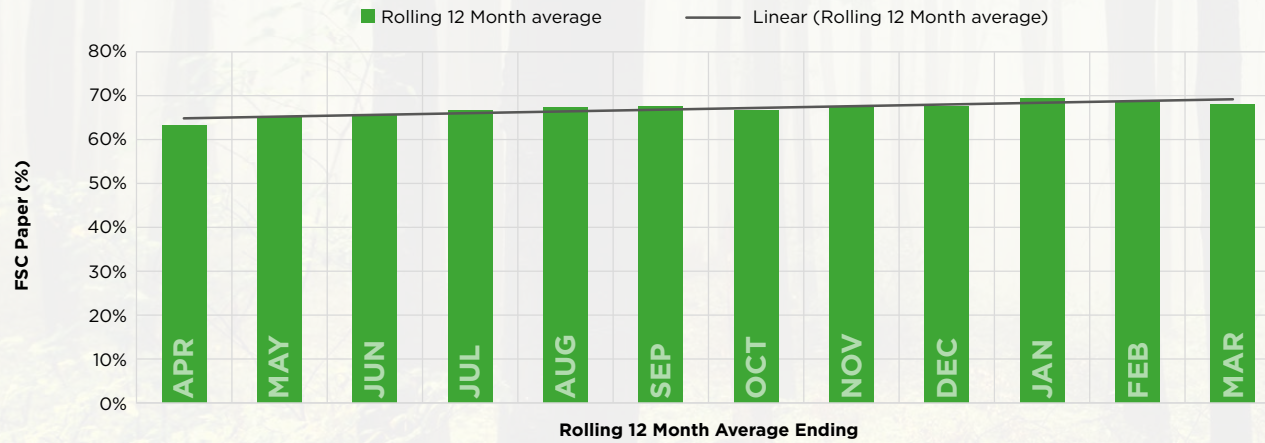
INCREASE THE PROPORTION OF FSC PAPER IN OUR SUPPLY CHAIN.

# SUSTAINABILITY GOAL 15: LIFE ON LAND



With FSC® chain-of-custody certified supply chains, we support sustainable forestry and plantations and with our longstanding practice of responsible sourcing of our main raw material, paper.

**FSC Percentage of Raw Material**



**KPI 10 2022/23**

Month	Rolling 12 Monthly Average
Apr	63%
May	65%
Jun	66%
Jul	67%
Aug	67%
Sep	68%
Oct	67%
Nov	68%
Dec	68%
Jan	69%
Feb	69%
Mar	68%

We have further increased the proportion of sustainably sourced paper by 7% during this reporting period.

## OUR JOURNEY TO DE-CARBONISATION

This initial Tullis Russell Sustainability Report shares the areas we are targetting at the start of our sustainability journey.

As we go forward, we aim to:



Report our progress in a transparent way, tracking our emissions and progress towards our targets.



Continue our ambitious emissions reduction through de-carbonisation solutions using existing and emerging technologies and improving energy efficiency.



Investigate and action sustainable strategies in the target areas of Supply Chain, Energy usage, Travel and Waste solutions.



Promote the Circular Economy with the focus on reducing production waste and increased recycling, to protect finite natural resources.



Focus and understand our Scope 3 Emissions and how we can positively impact them through collaboration with our Supplier and Logistic partners.



## GLOSSARY

---

### **TSM**

Thousand Square Metres; the metric by which we measure finished product.

### **kWh**

Kilowatt Hour; the measure of how much electricity is used every hour.

### **CO<sub>2</sub>e**

Carbon Dioxide equivalent; the number of metric tons of CO<sub>2</sub> emissions with the same global warming potential as one metric ton of another greenhouse gas.

### **GHG**

Greenhouse Gases; the gases in the earth's atmosphere that trap heat.

### **FSC®**

Forest Stewardship Council®; an international non-profit, multistakeholder organisation that promotes responsible management of the world's forests via timber certification.

### **Scope 1 Emissions**

Emissions from sources that an organisation owns or controls directly.

### **Scope 2 Emissions**

Emissions that a company causes indirectly and come from where the energy it purchases and uses is produced.

### **Renewable Energy**

Energy derived from natural sources that are replenished at a higher rate than they are consumed.

### **GDP**

Gross Domestic Product: a monetary measure of the market value of all the final goods and services produced in a specific time period by a country or countries.

A close-up photograph of a human footprint in sand, with the text "TO LEAVE FOOTPRINTS IN THE SAND NOT SCARS ON THE PLANET." overlaid in white. The footprint is in the center, and the text is centered over it. The sand is a light brown color, and the background is a soft, out-of-focus landscape.

**TO LEAVE FOOTPRINTS  
IN THE SAND NOT SCARS  
ON THE PLANET.**



**Tullis Russell** Church Street, Bollington, Macclesfield, Cheshire, SK10 5QF, UK.  
**Tel:** +44 (0)1625 573051 **Email:** [sustainability@tullisrussell.com](mailto:sustainability@tullisrussell.com) [tullisrussell.com](http://tullisrussell.com)

©Tullis Russell 2023 The information provided in this report is intended for general informational purposes only.

