

# BUILDING BETTER

## A LOOK AT PROGRESS IN ACTION

2023 SUSTAINABILITY REPORT

A MEMBER OF



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# REACHING HALFWAY ON A HIGH

**We've now reached the halfway point of what we set out to achieve with our Sustainability Strategy: 'Building Progress for a Sustainable Future'.**

Looking back at 2023, we're very much in the 'doing' phase – working hard to deliver against our commitments. It's been incredible to see colleagues in all parts of our business striving to find solutions to some of the biggest issues our industry faces and to integrate them into the way we do business. And as we turn aspiration into reality, we look to the horizon and the next challenges to overcome on our journey to Net Zero.

## OUR 5 KEY PILLARS

To support our vision to become the UK leader in innovation and sustainable building solutions, we identified five key pillars to work against. **Already in each of them, we've reached some significant milestones:**



### CLIMATE

We launched our Net Zero Strategy, setting out divisional actions in clearly identified workstreams. We achieved our carbon intensity target, progressed the delivery of solar power generation across our estates, continued the introduction of electric vehicles and low carbon fuels and progressed the transformative Peak Custer Carbon Capture and Storage project.



### NATURE & ENVIRONMENT

We enhanced our ability to support a nature positive future by increasing our understanding of what it will take to restore biodiversity at our sites, introduced new measures to reduce our water consumption and further developed our Nature Strategy for a launch in 2024, while a major investment at our Cauldon cement plant will benefit the environment and local communities alike.



### CIRCULAR ECONOMY

We have doubled the amount of Construction Demolition Materials we have reclaimed or recycled and have added to our capacity to further increase its use with some significant acquisitions to our portfolio.



### PEOPLE AND COMMUNITIES

We have increased the number of hours our people have spent volunteering in local communities, seen a rise in the number of apprentices and female leaders in our business and welcomed a reduction in our Lost Time Injury Frequency Rate. Social Value remains an area of opportunity for us and we look forward to building on this year's success in 2024.



### SUSTAINABLE PRODUCTS

We have continued to launch new products and further enhanced our commitment to supporting our customers on their own journey to a more sustainable construction industry.

## CONTENTS

### INTRODUCTION

#### **CLIMATE**

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### **NATURE & ENVIRONMENT**

KEY GOALS

CASE STUDIES

KPI'S

#### **CIRCULAR ECONOMY**

KEY GOALS

CASE STUDIES

KPI'S

#### **PEOPLE & COMMUNITIES**

KEY GOALS

CASE STUDIES

KPI'S

#### **SUSTAINABLE PRODUCTS**

KEY GOALS

CASE STUDIES

KPI'S

#### **SUMMARY**

#### **VERIFICATION STATEMENT**

# CLIMATE



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# CLIMATE

In 2023 we took the important step of launching our first Net Zero Strategy. Covering all aspects of our operations, it sets out what we're currently doing and what we'll do in the future to achieve net zero. Each business area now has a detailed set of Key Performance Indicators against which we can measure our progress, with live performance reporting down to individual site level and quarterly oversight meetings across all leadership teams.

2023 was the first year reporting against this strategy and we're pleased to say we saw continued progress in our carbon emission reductions.

Aggregate Industries absolute scope 1 & 2 emissions dropped a further 57,000 tonnes against 2022 performance, which is a 7% reduction and our lowest ever emissions per tonne of 17.4kTCO<sub>2</sub>.

**-7%** **OUR LOWEST EVER EMISSION PER TONNE**

**Cementing our commitment to change:**

## EMBRACING ALTERNATIVE FUELS AND RAW MATERIALS

Performance highlights include a reduction within our highest emitting business area: cement. Their 8% reduction in Specific Net CO<sub>2</sub> emissions per tonne of cementitious was achieved by using more alternative fuels and raw materials. Our Aggregates division reduced their overall emissions intensity by reducing their diesel use by 8%.

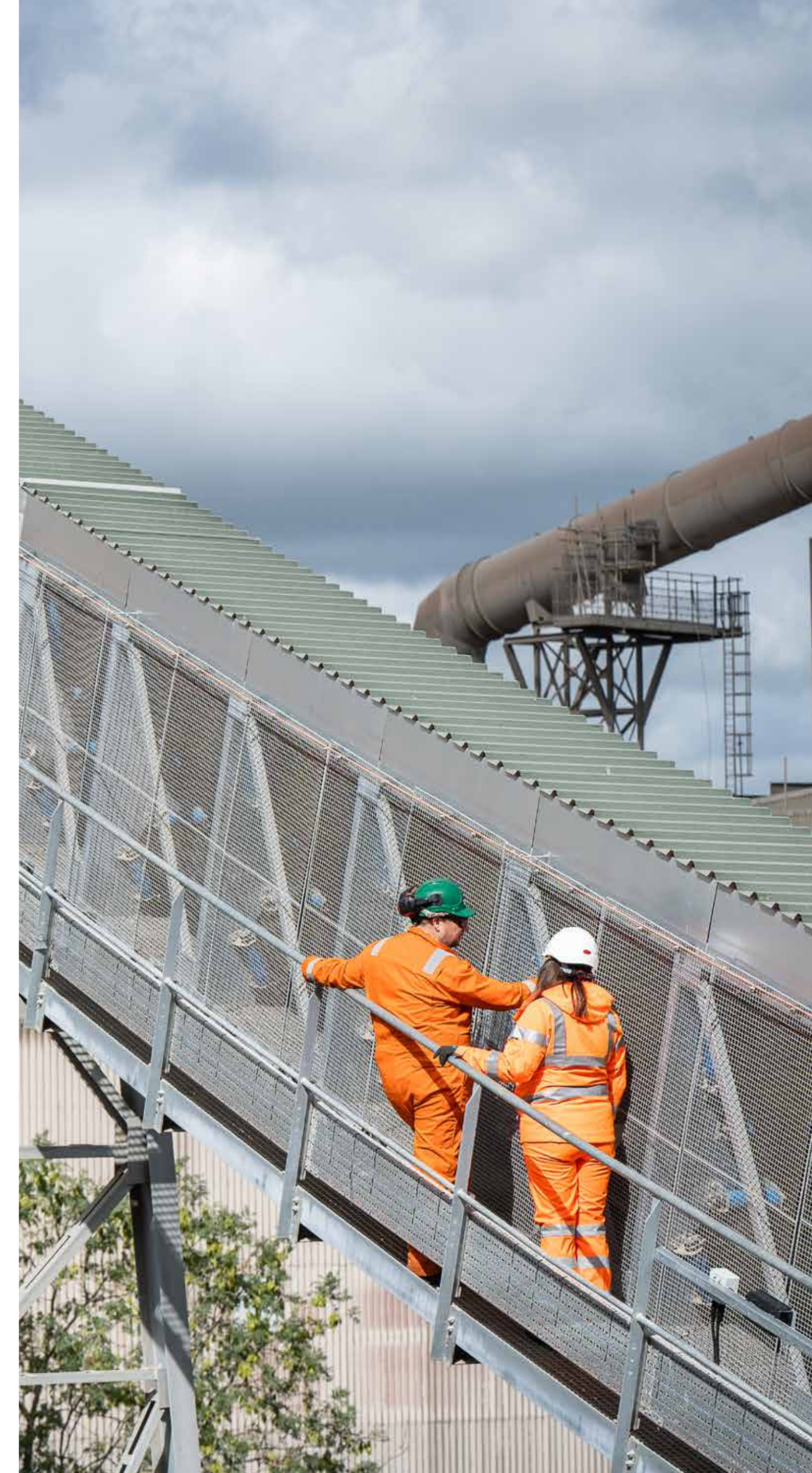
A key contributor to this success was the 850-metre suspended conveyor system at our Bardon Hill quarry becoming fully operational, dramatically reducing vehicle traffic on the site and using Hydrotreated Vegetable Oil (HVO) in place of diesel. Unfortunately, increased emissions intensity within other business areas has been caused by lower production, leading to reduced efficiency.

**↓ DIESEL USE DOWN 8%**

We're also pleased to be reporting on a broader range of our scope 3 emissions, now including applicable categories 1-10 and 12 for the first time. Unfortunately it means we're showing an increase in our scope 3 emissions since 2020. This is because higher costs for the cement substitute Ground Granulated Blast furnace Slag (GBBS) led to a market shift back to higher carbon mixes, requiring us to import cement. On transport, we reassessed the way we measure and monitor our scope 3 transport emissions.

We now account on the basis of emissions per tonne of material transported and factor in the vehicle type used for each individual trip.

This new process provides a better insight into our emissions, enabling us to manage them more closely and to more readily account for the new, low-carbon vehicles we're introducing into our fleet. It's helped us achieve an 8% reduction since 2020.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

### What our people say

We know our people are fundamental to the success of this strategy and unlocking the innovations needed to deliver low carbon solutions. People like Danielle Dawson, Technical Innovation Manager in our Cement Division, whose role involves looking at alternative products and supplementary materials.

**“FOR ME, SUSTAINABILITY & NET ZERO IS SOMETHING I AM PASSIONATE ABOUT.**

**I SEE IT AS MY MORAL PURPOSE AND TO THINK THAT IN MY ROLE I COULD HELP SAVE HUNDREDS OF THOUSANDS OF TONNES OF CO<sub>2</sub> EMISSIONS OVER MY CAREER MAKES ME FEEL VERY PROUD.”**

### Danielle Dawson, Technical Innovation Manager in our Cement Division

Danielle became one of the first recipients of our new Net Zero Hero awards this year, set up to showcase excellence and to recognise those who, like her, are going 'above and beyond' on our journey to Net Zero.



## CONTENTS

### INTRODUCTION

#### CLIMATE

##### KEY GOALS

##### WHAT WE ARE DOING

##### CASE STUDIES

##### KPI'S

#### NATURE & ENVIRONMENT

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

#### CIRCULAR ECONOMY

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

#### PEOPLE & COMMUNITIES

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

#### SUSTAINABLE PRODUCTS

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# KEY GOALS FOR 2023



### Support the drive to create a net zero future for the UK cement and lime industries through our active participation in the Peak Cluster project.

A world-first project designed to prevent over 3 million tonnes of carbon dioxide emissions each year by 2030, was launched in May. In September, a Memorandum of Understanding was signed with the Morecambe Net Zero Cluster to explore ways to store CO<sub>2</sub> captured by the Peak Cluster.



### Achieve the carbon intensity targets set out in our Net Zero strategy for 2023.

Our overall carbon intensity for Aggregate Industries UK has been reduced by over 37% to 17.4 from the 2020 baseline of 27.41.



### Publish a comprehensive Net Zero Strategy for all business divisions.

Our first Net Zero Strategy was published in May 2023. It represents a call to arms for our sector to travel further and faster along the path to net zero.



### Continue to develop the five workstreams identified in our newly-launched Net Zero Strategy.



Please see overleaf for details of progress against each Climate workstream

## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

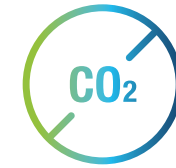
#### VERIFICATION STATEMENT

# WHAT WE ARE DOING



## RENEWABLE ENERGY

With renewable energy a key focus of the Net Zero strategy, we've started to develop Solar PV capacity across our estate. In partnership with Regenerco and our funders, Powen, we completed a review to assess opportunities and began work on three large ground arrays and a series of rooftop installations.



## LOW CARBON FUELS

We've started using Hydrotreated Vegetable Oil (HVO) at our Bardon Hill quarry, while at our Cauldon cement plant, we've increased the biomass content of the fuels we use on site by nearly 60% compared to 2020. In a European first, we successfully launched our first electric-powered loading shovel at our Bow Ready Mix plant, where it will be used to load aggregates. Meanwhile, as part of a consortium, we were shortlisted for funding to develop a hydrogen manufacturing facility close to one of our asphalt plants in the south-west. We aim to start production in 2026.



## ALTERNATIVE MATERIALS

At our Cauldon cement plant, we used 240,000 tonnes of decarbonised alternative raw materials, an increase of 4,000% compared to the previous year. You can read more about this in the case study on the next page.



## CARBON CAPTURE & STORAGE

Peak Cluster is a scheme which will help address the climate impact of the cement industry, which is responsible for 7.5% of all human-made CO<sub>2</sub> emissions globally. It will facilitate the capture, transport and permanent storage of CO<sub>2</sub> emissions from cement and lime producers across Derbyshire and Staffordshire, including our own Cauldon cement plant.

Its success will decarbonise the production of 40% of the UK's cement and lime, protect thousands of existing UK jobs and create many more, all while delivering a £180m annual boost to the economy.

In 2023, we started a feasibility study for the capture of CO<sub>2</sub> at our Cauldon cement plant. And as part of the wider Peak Cluster scheme, we investigated potential infrastructure locations and possible pipeline routes.



## ENERGY EFFICIENCY & DEMAND MANAGEMENT

45 teams across our estate completed an Energy Saving Treasure Hunt. At these events, employees identify low-cost energy savings opportunities, whether that's making changes to operational and maintenance procedures, or to staff behaviours. Here, they identified 132 actions with an estimated potential annual saving of 2,140MWh.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# HARNESSING WASTE HEAT TO HELP REDUCE CARBON EMISSIONS

At our asphalt plants, large rotary dryers are a core part of the process, removing moisture from cold aggregate and preheating it to create the right conditions for the mixing process. Typically, they consume up to 15 million kilowatt-hours of energy annually, so any opportunities to improve the efficiency of the process has the potential to make significant savings in carbon emissions.

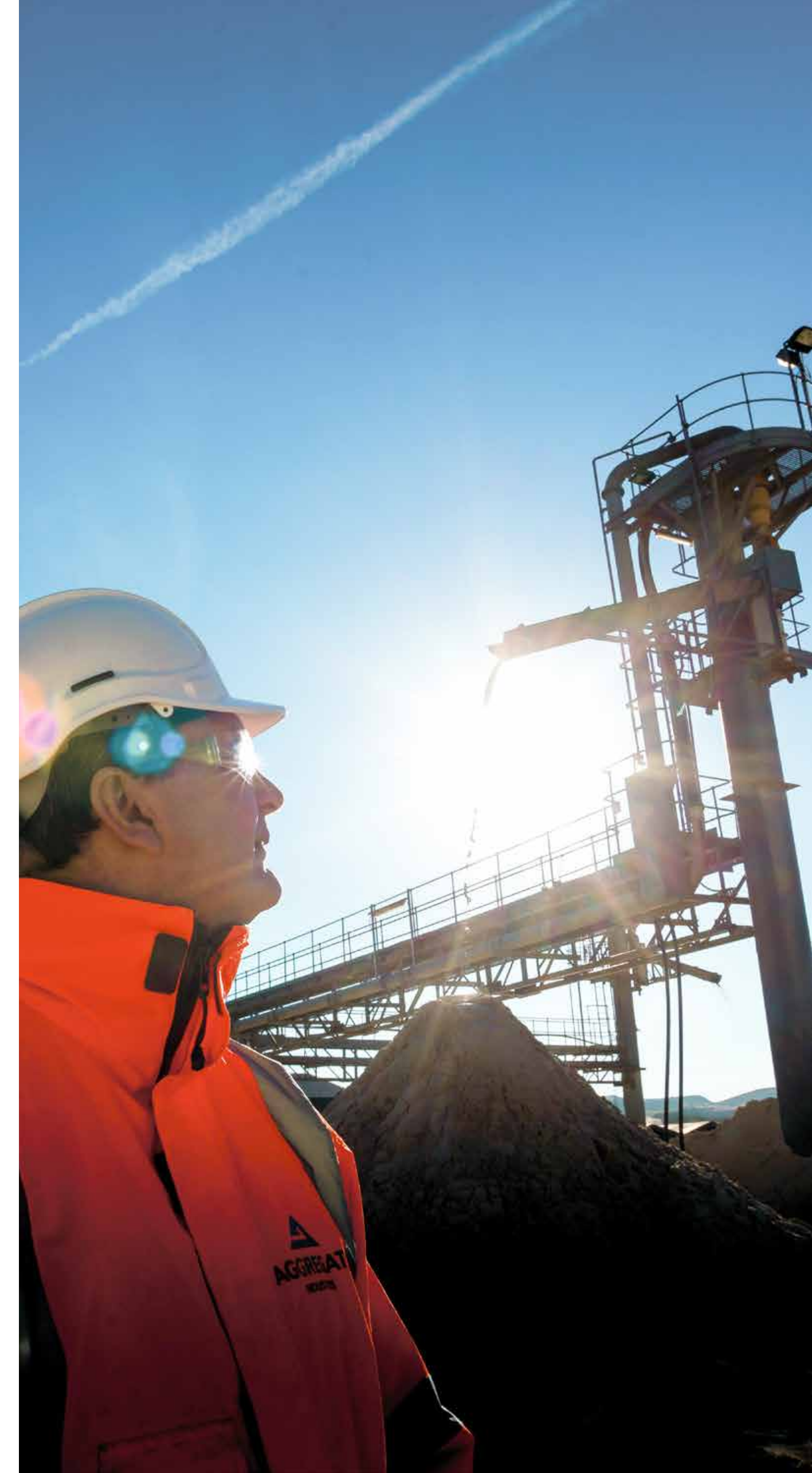
Working in conjunction with Aston University, we conducted a study to investigate the feasibility of capturing thermal energy from exhaust gases and using it to preheat clean incoming air, which could then be directed into the dryer. This would increase the efficiency of the process by reducing the heating load on the burner, meaning less fuel is needed to achieve the same temperatures. The study also looked to determine the potential savings, costs and other considerations, with the aim of developing an overarching process to make this a viable technology for any asphalt manufacturing plant.

In partnership with a maintenance and energy efficiency contractor, we trialled the technology in our Darwen Express asphalt site and in 2024, we will be starting to roll it out. Alongside the improvement in efficiency, it features a semi-self-cleaning design to allow dust and debris to fall free of the heat exchanger, providing minimal resistance to the flow of air through the dryer and allowing easy access for maintenance and cleaning.

**“THESE SIMPLE SYSTEMS CAN BE RETROFITTED TO MOST DESIGNS OF ASPHALT PLANT, WITH THE POTENTIAL EFFICIENCY GAINS MODELLED PRIOR TO INSTALLATION USING BESPOKE DATA COLLECTION AND MODELLING TOOLS. ALREADY, WE’RE SEEING PROMISING RESULTS, WITH A 12-15% IMPROVEMENT IN FUEL CONSUMPTION WHEN COMPARED TO PREVIOUS YEARS.**

**WITH IMPROVEMENTS EXPECTED TO STABILISE AT BETWEEN 6 AND 10%, THIS TRANSLATES INTO SIGNIFICANT CARBON SAVINGS.”**

**Rory Fulwell, Decarbonisation Engineer**





## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# A EUROPEAN FIRST: OUR ALL ELECTRIC LOAD SHOVEL

In September, we introduced the world's first commercially available battery electric loader at our Bow Readymix Concrete Plant in East London, making us the first company in Europe to use this technology.

The 21,000kg vehicle is used to unload aggregate brought to the site using the railhead, as well as helping to keep the site clear. It can operate for more than 11 hours on a full charge and also brings the added benefits of having zero kerbside emissions while being quiet and having minimal vibrations. Welcome benefits particularly when operating in densely populated areas.

The loader joined our first all-electric readymix truck also based at Bow, which was deployed earlier in 2023 and is a clear signal of intent to transition our fleet on our journey to achieve net zero before 2050.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# KEY PERFORMANCE INDICATORS

Sustainability Strategy Targets	2020	2021	2022	2023
<b>Absolute Emissions CO<sub>2</sub>e Scope 1 &amp; 2</b>				
Scope 1 & 2 (kTCO <sub>2</sub> )	1,193	1,155	774	717
Scope 3 (kTCO <sub>2</sub> )*	972	1,361	1,519	1,281
Transport Carbon Intensity (kgCO <sub>2</sub> e/Tonne)	5.93	5.63	5.53	5.47
<b>Benchmarked Emissions CO<sub>2</sub>e Scope 1 &amp; 2</b>				
Aggregate Industries UK Ltd (KgCO <sub>2</sub> e/Tonne)	27.41	25.1	17.80	17.40
Surfacing Solutions (KgCO <sub>2</sub> e/Tonne)	18.81	18.79	17.19	19.03
Aggregates (KgCO <sub>2</sub> e/Tonne)	3.89	3.66	3.77	3.67
ReadyMix (KgCO <sub>2</sub> e/m <sup>3</sup> )	1.09	1.24	1.08	1.15
Concrete Products (KgCO <sub>2</sub> e/Tonne)	5.40	5.34	4.94	5.23
Specific Net CO <sub>2</sub> Emissions (KgCO <sub>2</sub> /Tonne) cementitious	611.7	591	601	555
Aggregate Industries UK Ltd Scope 3 (KgCO <sub>2</sub> e/Tonne)*	23.7	29.45	34.86	31.02



**-36.6%**  
**TOTAL CO<sub>2</sub> EMISSIONS PER TONNE (SCOPE 1&2)**  
 (KgCO<sub>2</sub>/Tonne)



**-9%**  
**SPECIFIC NET CO<sub>2</sub> EMISSIONS**  
 (KgCO<sub>2</sub>/Tonne)



**-8%**  
**TRANSPORT CARBON INTENSITY**  
 (KgCO<sub>2</sub>/Tonne)

\*Scope 3 emissions include categories 1-10 & 12

## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### **NATURE & ENVIRONMENT**

KEY GOALS

CASE STUDIES

KPI'S

### **CIRCULAR ECONOMY**

KEY GOALS

CASE STUDIES

KPI'S

### **PEOPLE & COMMUNITIES**

KEY GOALS

CASE STUDIES

KPI'S

### **SUSTAINABLE PRODUCTS**

KEY GOALS

CASE STUDIES

KPI'S

### **SUMMARY**

### **VERIFICATION STATEMENT**

# NATURE & ENVIRONMENT

## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# NATURE & ENVIRONMENT

We recognise that our operations have the potential to significantly affect nature. We also understand our responsibilities and the critical role we must play in supporting a nature-positive future.

To develop our Nature Strategy, we took a science-based approach to understanding and measuring the impacts we have and the actions we can take to help biodiversity recover and thrive at our sites. The strategy will include clear commitments to reduce future negative impacts, restore habitats and advocate for nature throughout our entire value chain.

## OUR NATURE STRATEGY WILL BUILD ON THE STRONG FOUNDATIONS OF WORK WE HAVE ALREADY UNDERTAKEN, INCLUDING THE ROLLOUT OF THE BIODIVERSITY INDICATOR REPORTING SYSTEM (BIRS).

Developed by our parent company Holcim in partnership with the International Union for Conservation of Nature (IUCN), BIRS is a methodology for measuring biodiversity at our sites and improving our actions to restore it.

By measuring biodiversity, we can manage it better and ensure a positive impact on nature at our sites. This year we've carried out BIRS assessments at 84% of our active quarries, while after extensive field trials, we've begun the translocation of species-rich grassland habitats at our cement plant in Cauldon.

## PROTECTING PEOPLE & OUR PLANET

Measures to protect the environment around our sites have included installing a new bag filter system at our Cauldon cement works, which will result in a two-thirds reduction in dust emissions. We also carried out an acoustic camera assessment of noise sources at the plant. It identified opportunities to further reduce noise which we'll implement during 2024.

We're also committed to minimising our impact on water resources by reducing the amount of water we use through recycling, employing water efficient practices and by responsibly managing our water discharges. Although a mains water leak at Cauldon has impacted our water usage figures this year at the cement plant, we continued to make good progress reducing water intensity by 9% against the baseline.

Meanwhile in our Aggregates division, we reassessed our methodology for understanding how we capture and use rainwater, meaning we're better able to calculate our water usage at these sites given their complex drainage and water recycling setups.

Our Ready-Mix division saw an increase in water intensity of 8% and has established a new water reduction group in 2023 to tackle this. This increased focus on freshwater will help to reverse the trend seen in 2023 and drive the reductions needed in 2024.

## ANOTHER FIRST TO CELEBRATE

In 2023, we became the first company to be accredited with version 4.0 of BES 6001, an independent, third-party certification scheme designed to enable manufactured products to be assessed and certified as being responsibly sourced.

We were also actually the first supplier in the industry to achieve certification in 2009, and since then we've embedded the principles of responsible sourcing across our business.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# KEY GOALS FOR 2023



**Significantly expand water metering at our aggregate sites to better understand how we use water and increase opportunities for savings.**

This objective was superseded when we introduced a new methodology for understanding how we capture and use rainwater.



**Develop a Nature Strategy to set targets and publicly detail our commitments to support a nature-positive future.**

We developed our Nature Strategy over the year for launch in 2024 to publicly demonstrate our commitment towards a nature-positive future.



**Ensure at least 75 of our sites will have a 'Place for Nature'.**

We developed 29 places for nature in 2023 which fell short of our target. However, our Nature Strategy will support us achieving this in the future.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# GRASSLAND TRANSLOCATION IN STAFFORDSHIRE

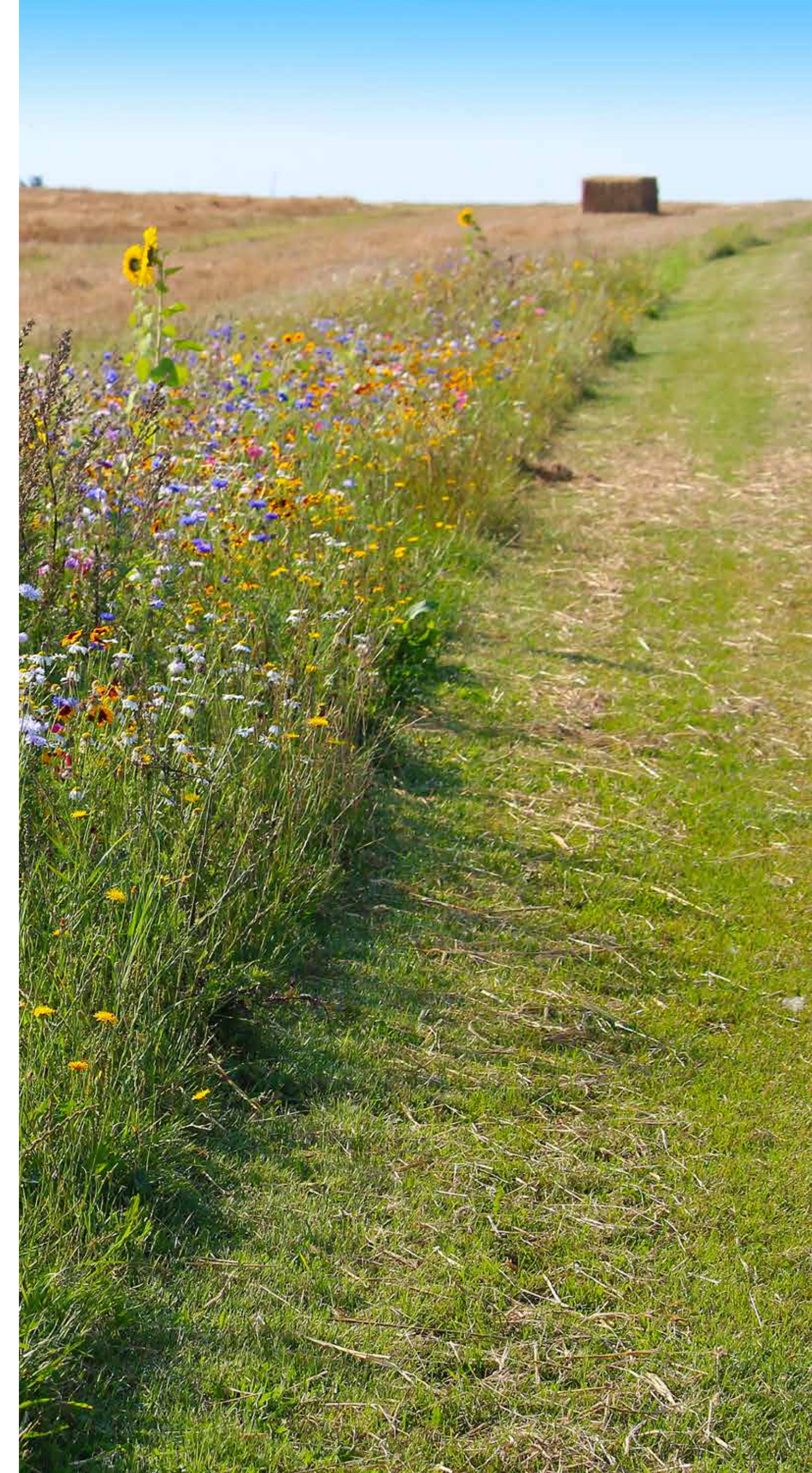
Unimproved calcareous grassland is important for nature conservation in the UK. These limestone grasslands include areas of vegetation that have evolved to thrive in the calcium rich, free-draining soil. They support a rich wildlife community, maintained by a regime of low-impact livestock grazing. In the UK, this once widespread habitat has become increasingly rare and fragmented, the result of changes in the way land is used and the impact on vegetation of changing air quality.

The land around our Caldon Low and Cauldon quarries incorporates areas of valuable wildlife resource. This includes several designated Sites of Special Scientific Interest (SSSI) and Staffordshire Sites of Biological Importance (SBI). For this reason, we've been carefully managing our landholdings over many years to maintain and increase the extent of calcareous grassland at both locations.

It's also why we're engaged in an ambitious programme to establish more of this species-rich habitat by translocating established grassland to sites within the Rue Hill and Caldon Dales SSSIs.

As grassland translocation projects can have variable outcomes, we've been running trials at both quarries for several years. In partnership with Staffordshire County Council, Natural England and the Staffordshire Wildlife Trust, we've been investigating the different machinery and excavation techniques, methods of preparing receptor sites and monitoring the results. Our aim is to ensure the experience we've gained can not only be implemented at other Aggregate Industries sites, but shared more widely. For example, our results have been used in ecological restoration courses taught by the University of Reading and the Quarry Products Association.

Several phases of translocation have been completed, with more to follow in 2024. Combined with extensive areas of land at both Caldon Low and Cauldon which have been identified for the development of new grassland, they will contribute to a landscape-scale distribution of nature conservation sites in the surrounding countryside. With many of these areas accessible from public rights of way, they'll also provide more opportunities for people to enjoy these important and biodiverse habitats.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# FULL RECYCLING REDUCES ENVIRONMENTAL EMISSIONS

**At our Chryston plant, the site layout stopped us from being able to return the water used in the concrete manufacturing process to the recycling tank. The water was only being recycled in small quantities, with the majority, once treated, being discharged to surface water. It meant we were using more freshwater than we're happy with.**

Our solution was to design a system that enabled 100% of treated waste water to be pumped from the point at which it was discharged, directly to a recycled water tank. Our treated wastewater emissions into the local watercourse now stand at zero.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# KEY PERFORMANCE INDICATORS

Nature & Environment	2018 (Baseline)	2020	2021	2022	2023
Freshwater Withdrawal Intensity Cement (l/t)	16.8	15.36	11.64	14.27	13.71
Freshwater Withdrawal Intensity Aggregates (l/t)	89.02	78	82.44	33.60	29.89
Freshwater Withdrawal Intensity Ready Mix (l/m <sup>3</sup> )	153.6	156.11	155.02	148.03	166.69
% Compliant with water quality standards	100	100	100	100	100
% of Quarry with Biodiversity Management Plan (BMP)	-	-	-	100	100
% of cement and aggregates sites with BIRS baseline roadmap in place	-	-	-	59	84
# sites with a place for nature	-	-	-	5	29



## FRESH WATER DRAWN

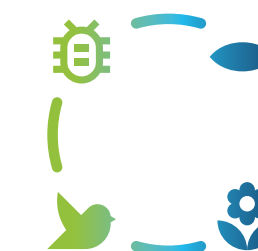
(Litres/tonne)



## % COMPLIANCE WITH WATER QUALITY STANDARDS



## % OF QUARRIES WITH BIODIVERSITY PLANS IN PLACE



## % OF CEMENT AND AGGREGATES SITES WITH BIRS BASELINE ROADMAPS IN PLACE



## NUMBER OF SITES WITH A PLACE FOR NATURE



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# CIRCULAR ECONOMY

## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# CIRCULAR ECONOMY

This year we've intensified our commitment to the Circular Economy and the opportunities for socially inclusive and climate-friendly growth it represents. Two significant arrivals have helped us to do this.

In April, we acquired Sivyer Logistics Services, a leading handler of Construction and Demolition Materials (CDM). With six facilities across London, Sivyer handles 1 million tonnes of waste materials per year, recovering over 450,000 tonnes through state-of-the-art recycling and recovery processes.

**1,000,000 T**

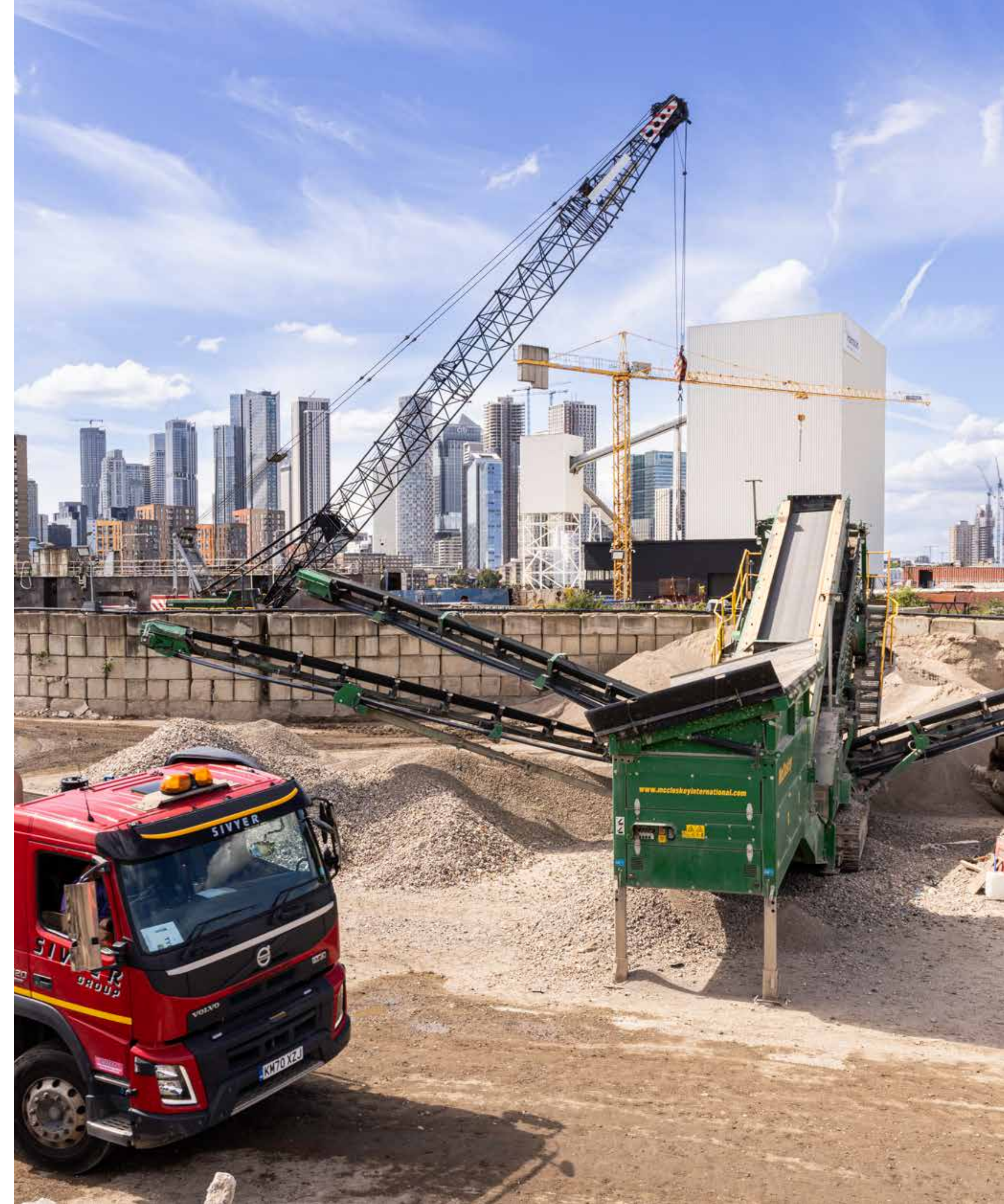
**OF RECYCLED  
WASTE PER  
YEAR**

The acquisition provides us with enhanced expertise, excellent facilities and access to high-quality, high-value end products. Sitting alongside our plans for organic growth with the development of recycling super-hubs across the country, it will help drive our ambition to become the UK's leading supplier of sustainable construction materials and solutions.

We also saw further year-on-year improvements in landfill avoidance. We achieved 93.9% landfill avoidance in 2023, while the volume of CDM reclaimed or recycled reached 1.5mtonnes. We've also updated the wording of one of our circular economy KPI's from "Increase use of recycled materials to 3m tonnes" to "Increase use of Construction and Demolition Materials to 3 million tonnes" and will report inline with this metric from 2024 onwards.

**93.0%**

**WE ACHIEVED  
93.9% LANDFILL  
AVOIDANCE  
IN 2023**



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# KEY GOALS FOR 2023



### Increase CDM use to 1.4m tonnes.

This target was achieved, with the actual use of CDM reaching 1.5m tonnes.



### Open a CDM Super- Hub to increase the circularity of our product.

Our acquisition of Sivyer has resulted in us opening a CDM Super-hub to serve the London market.



### Work with our waste contractor to drive changes that will increase the volume of waste saved from entering landfill.

Our continuing engagement has led to a modest decrease in waste to landfill in 2023.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# FROM LANDFILL TO NEW PRODUCTS

Hulland Ward, near Ashbourne in Derbyshire, is the main production and distribution centre for our Building Materials division. Covering 85 acres, employing around 500 employees and handling over 800,000 tonnes of finished product each year, it's one of the UK's largest centres of precast concrete manufacturing.

In 2018, we identified that a former inert landfill at the site contained thousands of tonnes of materials derived from the manufacturing process. Since then, we've been working to extract these same materials and reuse them to make new products. We've also been ensuring that any new material that previously would have gone to landfill are now processed and reused.

In 2023, over 27,500 tonnes of this material was incorporated into new products.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# RAP BY RAIL BOOSTS CIRCULARITY

**Circularity in construction is fundamental to our approach to sustainability and goes hand in hand with our drive towards net zero. This commitment is clearly demonstrated in our increasing use of Recycled Asphalt Pavement (RAP).**

RAP is created by removing old roads and pavements and then processing it to be reused in new asphalt, reducing the amount of virgin aggregate we need to make new products.

By 2025 we're committed to increasing the use of RAP by 60%. This year the environmental benefits of this approach have been boosted with the increased use of rail to transport the material for processing. We're working with our partners, Day Aggregates, to transport and process 40,000 tonnes of RAP each year. In early 2024, our biggest ever load was transported via train from Day's Brentford depot to Crawley, where 1,500 tonnes was carried - the equivalent of 79 lorry loads.

We see using rail to move RAP as an exciting development, allowing us to transport large volumes at a time. It supports our drive for sustainability through the increased use of RAP while also reducing carbon emissions and vehicle numbers on our roads. It's a huge change of concept which we're looking to grow further.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# KEY PERFORMANCE INDICATORS

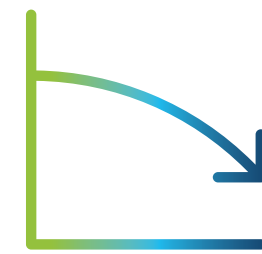
Circular Economy	2020	2021	2022	2023
Volume of materials reclaimed or recycled (tonnes)	835,581	976,257	1,150,192	2,312,692
% Waste to landfill	87.2	90.2	93.6	93.9
#* Circularity initiatives and opportunities	-	-	10	9

\*the number hasn't been audited.



## VOLUME OF MATERIALS RECLAIMED OR RECYCLED

(Tonnes)



## WASTE TO LANDFILL

(%)



## # CIRCULARITY INITIATIVES AND OPPORTUNITIES



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# PEOPLE & COMMUNITIES



## CONTENTS

### INTRODUCTION

#### CLIMATE

##### KEY GOALS

##### WHAT WE ARE DOING

##### CASE STUDIES

##### KPI'S

### NATURE & ENVIRONMENT

#### KEY GOALS

##### CASE STUDIES

##### KPI'S

### CIRCULAR ECONOMY

#### KEY GOALS

##### CASE STUDIES

##### KPI'S

### PEOPLE & COMMUNITIES

#### KEY GOALS

##### CASE STUDIES

##### KPI'S

### SUSTAINABLE PRODUCTS

#### KEY GOALS

##### CASE STUDIES

##### KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# OUR PEOPLE & COMMUNITIES

We're a business with roots in neighbourhoods across the UK. While we're proud of the active contribution we make to the economic well-being of surrounding communities through long-term, sustainable employment and social investment, we understand that we need to listen to our neighbours to understand their priorities.

This has been the driver for our focus this year, and we've made sure that each of our sites has an updated Community Engagement Plan. Our Stakeholder Engagement Team has provided training and support for each site to develop their own plan to document the work they're doing with the local community and to plan more effective future engagement. Community Engagement Plans can be used to facilitate materials donations, monetary contributions or site visits.

They're not only a useful way to share best practice across the business, but they're invaluable in understanding how best we can add value according to local circumstances.

## THE VALUE OF VOLUNTEERING

One of the most important contributions we can make is through volunteering. This year, our people have again responded magnificently, helping to exceed our target for the number of hours spent volunteering by over 57%. A wide range of projects were supported, including foodbanks and soup kitchens (where colleagues gave over 180 hours of their time) and a garden clearance and tidy for AGE UK.

**1,799 HOURS**  
**VOLUNTEERING**

As well as benefiting our neighbours, volunteering helped members of our team develop new skills, make new contacts across the business and boosted their sense of purpose and self-confidence.

Our people are our most important asset, and alongside our primary responsibility for their health and safety, this also contributes to improving their wellbeing. In our Sustainability Strategy, we committed to improving our Lost Time Injury Frequency Rate (LTIFR) by 25% from the 2021 baseline measure of 0.52 million hours worked. We're pleased to report a reduction of nearly 5% to a LTIFR of 0.49.

As part of our Sustainability Strategy, we committed to providing new opportunities for apprentices. So we marked National Apprenticeship Week by launching a scheme to recruit 76 new apprentices into trainee manager, technician and engineer roles. The aim is to have 200 active apprentice roles across our business.

We're also pleased to have increased the number of female colleagues in leadership positions compared to 2022. Unfortunately, there's been a slight decrease in the representation of females overall within the business, but it's something we're determined to reverse in 2024.





## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# KEY GOALS FOR 2023



### Deliver 1,140 Volunteering Hours.

This target was achieved, with the actual number of hours standing at 1,799.



### Deliver three new volunteering campaigns to maximise our impact in areas of need.

We delivered three dedicated volunteering campaigns in 2023.



### Review and improve the way we engage with communities by re-developing Community Engagement Plans for our sites so that they're world-class.

We've introduced a process to support all of our sites in reviewing and updating their Community Engagement Plans annually.



### Develop an online community reporting system for local stakeholders to contact us quickly about activity at our sites.

We've amended our online contact form to include a section on community matters. Locations such as our Cauldon Cement Plant now have a bespoke form to register comments or concerns about activity on site.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# NEW APPRENTICESHIP OPPORTUNITIES

**“APPRENTICESHIPS GIVE YOU THE OPPORTUNITY TO TRAIN UP FOR WHAT YOU WANT TO BE. I’VE FOUND IT MUCH BETTER THAN GOING TO COLLEGE TO DO A GENERAL QUALIFICATION.**

**WHAT I LIKE ABOUT IT IS YOU GET EXPERIENCE OF WORKING ON-SITE AND YOU GET AN OPPORTUNITY TO HAVE A JOB AFTERWARDS. IT’S LESS ABOUT BEING STUCK IN A CLASSROOM AND MORE ABOUT GETTING OUT AND DOING SOME HANDS-ON WORK.”**

**Jedd Castledine,  
Electrical Engineering Apprentice,  
Hulland Ward site.**

Jedd’s enthusiasm is echoed by Sarah Howarth who completed her Mineral Products Technician Higher Apprenticeship with our partner, the University of Derby, and is now a Trainee Assistant Quarry Manager at our Westleigh Quarry in Tiverton.

**“IT WAS A FANTASTIC OPPORTUNITY TO GET INTO THE INDUSTRY, EXPLORE DIFFERENT ASPECTS OF QUARRYING AS WELL AS THE WIDER MINERAL PRODUCTS SECTOR. THERE ARE SOME GREAT BENEFITS TO COMPLETING AN APPRENTICESHIP, SUCH AS EARNING WHILE YOU LEARN, KICK STARTING YOUR CAREER AND WORKING AND LEARNING ALONGSIDE INDUSTRY EXPERTS. MY ADVICE FOR ANYONE CONSIDERING DOING AN APPRENTICESHIP IS TO TAKE EVERY OPPORTUNITY YOU CAN AND CHOOSE SOMETHING YOU ENJOY.”**

**Sarah Howarth,  
Mineral Products Technician Higher Apprenticeship,  
Hulland Ward site.**

Jedd and Sarah are part of an apprenticeship programme which is building towards 200 active roles across our business. To mark National Apprenticeship Week, we launched a scheme to recruit 76 new apprentices into trainee manager, laboratory and materials technician and engineer roles.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# GIVING TIME FOR THOSE IN NEED

In May, team members from across the business spent two days volunteering at Leicester South Foodbank's Regional Distribution Centre, filling crates with food for delivery.

Leicester South Foodbank partners with both statutory and voluntary services around Leicester and Leicestershire, delivering food parcels all over the county. Their Regional Distribution Centre helps support 17 food banks and ensures they never run short of items to give to people in need of help.

**“WE MANAGED TO GET A FEW CRATES FULL FOR THOSE IN NEED. IT'S QUITE MANUAL WORK – YOU DON'T REALISE – HENCE ME HAVING A DISCO NAP IN ONE OF THE PICS! LOVELY TO WORK WITH COLLEAGUES YOU DON'T NORMALLY GET TO WORK WITH. LOOKING FORWARD TO THE NEXT ONE.”**

**Maria Birch, HR Shared Service Manager**



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# COMMUNITY CONVERSATIONS

In November, we held a community engagement event at Waterhouses Primary School for residents living close to our Caudon Cement Plant.

The plant employs around 125 people and contributes £11 million to the local economy in salaries, business rates and purchases through local suppliers. However we understand that concerns about noise, dust, odours and HGV movements have been raised by Waterhouses and District Environmental Group, Parish Councils and other local stakeholders.

So we staged an informal event where residents could drop in without an appointment for an opportunity to meet us and learn more about the Plant, its current operations and future developments. It was our opportunity to start conversations with local people in their community.

As well as discussing the issues that are important to them, we asked people for comments, feedback and suggestions for where we could make future donations to community projects. The event opened up valuable channels of communication and identified what's important to our neighbours, all of which will help us shape similar events in the future.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# KEY PERFORMANCE INDICATORS

People And Communities	2020	2021	2022	2023
Health & Safety Culture Maturity Level	Proactive	Proactive	Proactive	Proactive
Lost Time Injury Frequency Rate (LTIFR)	0.38	0.52	0.54	0.49
# Of apprenticeships	3	0	38	52
% Female Leaders	21	22	24	25.1
% Female Representation	18	19	20	18.5
% Of suppliers assessed	100	100	100	100
# Of people benefiting from AI UK activity	N/A	N/A	26,747	30,478
# Of volunteering hours	249	36	1,070	1,799
% of sites with community engagement plans	-	-	100	100



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# KEY PERFORMANCE INDICATORS

## PEOPLE:



**# OF PEOPLE BENEFITING FROM AI UK ACTIVITY**



**# OF VOLUNTEERING HOURS**



**£ RAISED THROUGH FUNDRAISING ACTIVITIES**



**% OF SITES WITH COMMUNITY ENGAGEMENT PLANS**

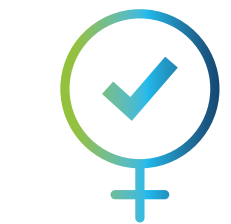
## COMMUNITIES:



**HEALTH & SAFETY MATURITY LEVEL**



**# OF APPRENTICESHIPS**



**% FEMALE LEADERSHIP AND REPRESENTATION**



**LOST TIME INJURY FREQUENCY RATE (LTIFR)**



**% OF SUPPLIERS ASSESSED**

## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# SUSTAINABLE PRODUCTS



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# INTRODUCING ECOPLANET

The year also saw us launch our innovative ECOPlanet which reduces carbon emissions by at least 30% compared to standard Portland CEM 1 cements. The launch of ECOPlanet complements our existing range of flagship sustainable products. These include:

**ECO Pact**  
The Green Concrete

Offering a 50% reduction in carbon when compared to traditional concrete.

**ECO Pact** PRIME AS

Offering the same 50% carbon reduction while providing an active development of strength, for where improved performance is required.

**FOAMIX Eco**  
Carbon Neutral Asphalt

Which doesn't require its source materials to be processed with heat, generating less CO<sub>2</sub> compared to standard asphalt products, while promoting a circular economy.

Overall, the percentage of our total revenue derived from sustainable products this year was comparable to 2022, standing at an impressive 31.4%. During 2024 we intend to build on this.

**31.4%**

**PERCENTAGE OF OUR TOTAL  
REVENUE DERIVED FROM  
SUSTAINABLE PRODUCTS**





## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

# KEY GOALS FOR 2023



**Expand our portfolio of sustainable products and solutions by a further five options.**

Our number of sustainable products remained at 66 due to the removal of some from the market and the addition of others such as ECOPlanet. We are committed to growing our sustainable product range as a key focus in 2024.



**Develop tools to encourage our customers to use the most sustainable products for their projects by comparing solutions and making recommendations in a dynamic way.**

All customer quotes are now accompanied by the embodied carbon cost as standard for the readymix, concrete products and cement subsidiaries.



**Continue to develop our Carbon Reporting tool to enable customers to make informed product choices for their projects.**

We continue to work with our customers to develop your Carbon Report providing 236 calculations in 2023.



**Continue to collaborate with our customers to ensure we deliver the most appropriate sustainable products for their projects.**

We provided 186 separate continued professional development sessions in 2023 across a range of disciplines (e.g. clients, architects, engineers and main contractors) to support the delivery of sustainable product solutions for our customers.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT

## PROGRESS IN ACTION

# ACQUISITION SUPPORTS FURTHER DEVELOPMENT OF LOW CARBON SOLUTIONS

In August 2023, we were excited to announce we had acquired OCL Regeneration Limited. It's a move which will enhance the ability of our asphalt and surfacing operations to deliver low carbon products.

Founded in 2006, the Kent based business has become a leading provider of highways waste recycling solutions. OCL specialises in recycling aggregates, asphalts, concrete and tar from highways maintenance and construction projects, materials which would otherwise need to be disposed of. Instead, the materials are reprocessed and reused as low carbon products in new highway projects, resulting in reduced emissions.

This is very much in sync with our own strategy and our commitment to deliver on our green growth objectives. The industry expertise and innovation that OCL has developed over the last 16 years will put us at the forefront of the circular economy in the UK highways construction and maintenance industry.



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

#### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

#### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

#### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

#### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

#### SUMMARY

#### VERIFICATION STATEMENT



## PROGRESS IN ACTION

# OUR GREEN CEMENT

With 80% of the global population expected to live in cities by 2050, the world needs to find solutions to decarbonise the cement industry. Our ECOPlanet green cement range brings green cities one step closer to reality.

ECOPlanet products use a broad range of low emission raw materials to create low carbon products. Their CO<sub>2</sub> emissions are at least 30% less than standard Portland CEM I cements. Plus carbon footprints are further reduced by our use of alternative fuels in its production process.

Our first green cement product is ECOPlanet Endure, which provides all the benefits of a lower carbon product with no impact on performance or durability. With more ECOPlanet green cement products in development, we're fulfilling our ambitions to lead the way in sustainable and innovative building solutions.

30%

LESS CO<sub>2</sub>  
EMISSIONS  
FOR ECOPLANET

# LOWER YOUR CARBON IMPACT

## LEAD CHANGE IN THE INDUSTRY.



SWITCH YOUR CEMENT, LOWER YOUR CARBON IMPACT  
VISIT [AGGREGATE.COM/ECOPLANET-GREEN-CEMENT](https://www.aggregate.com/eco-planet-green-cement)



ECOPlanet  
ENDURE  
The Green Cement



## CONTENTS

### INTRODUCTION

#### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# KEY PERFORMANCE INDICATORS

Sustainable Products	2020	2021	2022	2023
# Carbon calculations provided to customers	N/A	N/A	Launched November	236
# Of new products and solutions	29	41	66	66
% Turnover from sustainable products	22.9	23.0	31.4	31.4



## CONTENTS

### INTRODUCTION

#### CLIMATE

##### KEY GOALS

##### WHAT WE ARE DOING

##### CASE STUDIES

##### KPI'S

#### NATURE & ENVIRONMENT

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

#### CIRCULAR ECONOMY

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

#### PEOPLE & COMMUNITIES

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

#### SUSTAINABLE PRODUCTS

##### KEY GOALS

##### CASE STUDIES

##### KPI'S

### SUMMARY

### VERIFICATION STATEMENT

# IN SUMMARY

We took some important steps on our journey to Net Zero in 2023, while developing and evolving our Nature and Environment and Circular Economy ambitions. The progress we made working with local communities and investing in volunteering is fantastic, especially in terms of the legacy potential. Plus, we continue to innovate and develop sustainable products and solutions which help our customers deliver their own sustainability goals.

2024 will prove to be another critical but exciting year, with key projects for our renewable roll out, carbon capture progress, nature strategy delivery and social value strategy development. I look forward to sharing our achievements, challenges and learnings with you. But for now, I hope you find this look back on 2023 interesting and a sign of our intent for things to come.

**For more information, or if you'd like to speak to us about anything in this report, please email: [sustainability@aggregate.com](mailto:sustainability@aggregate.com)**

Anna Baker, Sustainability Director



# CONTENTS

## INTRODUCTION

### CLIMATE

KEY GOALS

WHAT WE ARE DOING

CASE STUDIES

KPI'S

### NATURE & ENVIRONMENT

KEY GOALS

CASE STUDIES

KPI'S

### CIRCULAR ECONOMY

KEY GOALS

CASE STUDIES

KPI'S

### PEOPLE & COMMUNITIES

KEY GOALS

CASE STUDIES

KPI'S

### SUSTAINABLE PRODUCTS

KEY GOALS

CASE STUDIES

KPI'S

### SUMMARY

## VERIFICATION STATEMENT



### VERIFICATION STATEMENT

Over the years, Responsible Sourcing has become an ever-increasing part of the way that construction products manufacturers have to operate. This has resulted in large numbers of manufacturers involved in supplying the construction industry opting for independent certification to the internationally recognised responsible sourcing standard, BES 6001.

This standard contains a number of mandatory requirements and a number of optional requirements and, depending upon the levels of achievement that the company can demonstrate, results in a possible rating of Pass, Good, Very Good and Excellent.

Having certain Key Performance Indicators (KPI) independently verified allows a company to achieve a higher rating.

### NATURE AND SCOPE OF VERIFICATION

CM Environmental (previously as part of NR Richards Associates Ltd) has carried out an independent verification of the Aggregate Industries KPIs and can confirm that they have not, in any way, been involved in the preparation of this data. The verification study has included a number of environmental and social issues which relate to specific clauses of BES 6001.

The scope of the data verification included all Aggregate Industries sites listed on the main certificate, as well as the Lafarge cement and Lytag sites.

The purpose of this verification exercise was to ensure that the information conveyed to stakeholder and other interested parties is accurate and supported by appropriate documented evidence.

The specific clauses of BES 6001 relevant to this verification exercise include the following:

- 4.4.1 Greenhouse gas emissions
- 4.4.2 Energy use
- 4.4.3 Resource use and product circularity
- 4.4.4 Waste prevention and waste management
- 4.4.5 Water usage or abstraction
- 4.4.8 Transport impacts
- 4.4.12 Employment and skills
- 4.4.13 Local communities

In addition to these issues, the data verification exercise also included a review of Production figures, Health and Safety statistics and Nature.

### STATEMENTS OF THE INDEPENDENCE OF THE VERIFIERS

CM Environmental has been providing support to a large number of clients involved in the manufacture of concrete building products since 2016. Although a small company, the team has many years experience in supporting companies in a range of services, including Environmental Management Systems (ISO 14001), Responsible Sourcing (BES 6001) and also a range of Quality Management issues (ISO 9001) and Health and Safety Management (ISO 45001).

CM Environmental is completely independent from Aggregate Industries and has no bias or conflict of interest.

The verification exercise was carried out by Christine Morris, who has experience of Responsible Sourcing in the concrete and quarrying industry, and is approved by the Building Research Establishment (BRE) as an independent KPI data verifier.

### CONCLUSION

Based on the procedures followed by CM Environmental during this independent verification exercise, there has been no evidence that the data supplied to the Aggregate Industries Sustainability Report, for the period 1st January to 31st December 2023, has not been obtained on a reliable basis, that the information is not adequately presented, or that significant deviations or omissions exist.



14 May 2024

Environmental Consultant  
CM Environmental

# VERIFICATION STATEMENT