RATHFINNY

CLIMATE ACTION PLAN

RATHFINNY WINE ESTATE CLIMATE ACTION PLAN

Purpose

This Climate Action Plan sets out Rathfinny Wine Estate's approach to measuring, managing and reducing its greenhouse gas emissions and wider climate impact across the Estate, Winery, Vineyard and Wine Tourism operations.

It supports Rathfinny's Environmental Policy and Environmental Action Plan and provides the framework through which climate performance, targets, implementation and progress are governed and reviewed.

OUR COMMITMENT

Rathfinny Wine Estate is committed to supporting the global ambition to limit global warming to 1.5°C and to understanding, reducing and transparently reporting the climate impact of its activities.

Rathfinny recognises that climate action extends beyond carbon emissions alone and is connected to energy and resource efficiency, land and soil management, biodiversity, procurement, packaging, transport, waste and the resilience of the Estate's natural environment.

Rathfinny maintains its long-term ambition to achieve Net Zero by 2050.

MEASURING OUR IMPACT

Rathfinny measures its full organisational Scope 1, 2 and 3 greenhouse gas footprint annually using recognised carbon-accounting methodologies and independent technical support.

FY2020/21 remains Rathfinny's historic organisational greenhouse gas baseline. Carbon measurement enables Rathfinny to understand changes in its footprint over time and identify the activities and emissions sources presenting the greatest opportunity for intervention.

Rathfinny will continue to measure and report:

- total Scope 1 emissions;
- total Scope 2 emissions;
- total Scope 3 emissions;
- total organisational greenhouse gas emissions;
- carbon intensity per £1 million of revenue; and
- carbon intensity per bottle of wine produced.

Rathfinny recognises that absolute annual emissions may fluctuate as the business grows and because of changes in vintage, production volumes, capital investment and purchasing. Absolute emissions will therefore be considered alongside carbon-intensity measures so that business growth does not obscure underlying performance, while intensity improvements do not obscure changes in Rathfinny's overall footprint.

The latest available assessment shows that purchased goods remain particularly material to Rathfinny's footprint. In FY2024/25 they represented 783.01 tCO_2e, of which wine-product inputs accounted for 685.86 tCO_2e.

CLIMATE TARGETS

Reference year

FY2021/22 has been selected as the reference year for Rathfinny's forward-looking carbon-intensity targets.

In FY2021/22:

Revenue carbon intensity:
305.99 tCO_2e per £1 million revenue

Wine-production carbon intensity:
3.97 $kgCO_2e$ per bottle produced.

2030 targets

By 2030 Rathfinny aims to:

1. Maintain at least a 10% reduction in whole-business revenue carbon intensity against FY2021/22, equivalent to no more than approximately 275.4 tCO_2e per £1 million revenue, while seeking continued improvement beyond this level.

2. Maintain at least a 10% reduction in wine-production carbon intensity against FY2021/22, equivalent to no more than approximately 3.57 $kgCO_2e$ per bottle, while seeking continued improvement beyond this level.

Both initial thresholds have already been surpassed in the FY2024/25 assessment, when the corresponding measures were 271.30 tCO_2e per £1 million revenue and 2.81 $kgCO_2e$ per bottle. The purpose of the targets is therefore not simply to reach these thresholds, but to maintain and seek to improve upon that level of performance as the business develops.

Progress will be assessed annually.

2040 milestone

Rathfinny will establish a further quantified medium-term milestone towards 2040 as its climate actions and emissions-reduction strategy develop.

This will be informed by progress against the 2030 targets, improvements in carbon-accounting data and methodology, changes in technology and infrastructure, business development and the emissions-reduction opportunities identified through annual assessment and collaboration with its independent technical adviser.

2050 ambition

Rathfinny maintains its long-term ambition to achieve Net Zero by 2050.

The pathway towards this ambition will be reviewed and strengthened as credible reduction opportunities, technology, measurement and approaches to residual emissions develop.

HOW WE WILL DELIVER OUR TARGETS

1. Winery, energy and infrastructure

Rathfinny will continue to pursue reductions through renewable energy generation, energy efficiency, lower-carbon energy sourcing and improvements to infrastructure and equipment.

Areas of focus include:

- maximising the effective use of onsite renewable electricity;
- improving energy efficiency across the Winery and Estate;
- reviewing energy-intensive processes and equipment;
- considering lower-carbon technologies as equipment reaches replacement or investment points;
- reducing emissions associated with refrigeration and energy systems where practicable; and
- trialling opportunities for energy storage, including Rathfinny's current trial involving EV batteries for Winery energy storage.

This builds on demonstrable reductions already achieved in purchased-electricity emissions and increased onsite renewable generation.

2. Packaging and supply chain

Rathfinny will continue to reduce the environmental and carbon impact of purchased goods and packaging.

Areas of focus include:

- reducing glass weight where technically and commercially feasible;
- working with glass and packaging suppliers on lower-impact alternatives;
- reducing unnecessary packaging;
- increasing recycled and recyclable content;
- improving cardboard and secondary packaging efficiency;
- improving pallet and transport efficiency; and
- incorporating environmental considerations into significant purchasing and supplier decisions.

Rathfinny has already redesigned six-bottle cases to use 25% less cardboard while enabling 40% more bottles per pallet, removed polypropylene strapping from domestic pallets and undertaken other packaging changes, including use of a lighter bottle for Cradle Valley.

3. Vineyard, soil health and carbon sequestration

Rathfinny recognises that the land is central to its climate strategy both in terms of emissions and its capacity to store carbon and support long-term ecological resilience.

Areas of focus include:

- continued soil analysis, including soil organic carbon;
- developing understanding and measurement of carbon sequestration across the Estate;
- regenerative viticulture;
- appropriate use of compost and organic soil amendments;
- improving soil structure, biology and organic matter;
- reducing reliance on higher-impact inputs where agronomically appropriate;
- improving efficiency of Vineyard machinery and operations;
- supporting biodiversity and ecological resilience; and
- using evidence from soil analysis and Vineyard monitoring to inform land-management decisions.

Existing Vineyard work includes soil organic carbon testing, use of organic pelleted chicken manure in response to soil analysis, composting and returning organic material to the soil, and work on regenerative viticulture and soil-test frameworks.

Rathfinny will continue to develop its understanding of sequestration and will avoid treating estimated sequestration as equivalent to measured emissions reductions unless supported by appropriate evidence and methodology.

4. Wine Tourism, hospitality and events

Rathfinny will seek to reduce the climate impact associated with Wine Tourism and hospitality across the Estate.

This includes consideration of:

- food and menu choices;
- locally and responsibly sourced products where appropriate;
- other goods, products and consumables used within Wine Tourism;
- packaging and waste;
- energy and water use;
- purchasing decisions;
- visitor and staff travel; and
- the carbon implications of significant events.

Rathfinny will consider carbon impact as part of planning significant events and experiences, including opportunities to consolidate journeys and investigate shared lower-emission or electric transport where this is practicable.

Changes to food purchasing have previously demonstrated the potential for operational decisions within hospitality to influence emissions. Rathfinny's reporting recorded a reduction in food-purchasing emissions of just under 50% in one year, associated with limiting beef on menus.

5. Transport and logistics

Rathfinny recognises that its rural location presents particular transport challenges for employees, visitors, suppliers and events.

The Estate will continue to investigate practical opportunities to reduce travel-related emissions, including:

- encouraging car sharing where practicable;
- promoting and providing information about public transport options;
- considering transport impact when planning events;
- exploring shared and lower-emission transport arrangements where appropriate;
- improving logistics and journey efficiency; and
- engaging with relevant external stakeholders where wider transport solutions require collaboration.

Rathfinny has previously considered an electric Estate vehicle, staff transport and a shuttle between Seaford station and the Estate and has documented some of the operational challenges associated with these options.

Future options may include further investigation of shared electric or other lower-emission transport where operationally and financially viable.

RESOURCES AND RESPONSIBILITY

Overall accountability for the Climate Action Plan sits within Rathfinny's governance framework, with oversight by the Board.

Implementation is shared across the relevant operational areas of the Estate, Winery, Vineyard and Wine Tourism according to the nature of each action.

Rathfinny will allocate human, technical and material resources appropriate to the actions being undertaken. These may include:

- management and employee time;
- independent carbon and sustainability expertise;
- specialist Vineyard, soil, energy and environmental advice;
- supplier technical expertise;
- external contractors and technology providers; and
- investment in equipment, renewable energy, infrastructure and other emissions-reduction measures where appropriate.

Specific investment decisions will continue to be considered in the context of environmental impact, operational requirements and the resources available to the business.

WORKING WITH STAKEHOLDERS

Rathfinny recognises that effective climate action requires collaboration with both internal and external stakeholders.

Relevant stakeholders include employees, customers and visitors, suppliers and contractors, technical and environmental advisers, carbon-accounting specialists, industry partners and appropriate public and community bodies.

Engagement will take different forms according to the issue concerned and may include:

- working with suppliers to identify lower-impact materials, products and packaging;
- working with technical advisers on carbon measurement and reduction opportunities;
- involving employees and operational teams in identifying and implementing practical improvements;
- working with Vineyard and soil specialists on land management and sequestration;
- engaging with relevant bodies and partners where transport or environmental issues cannot be effectively addressed by Rathfinny alone; and
- publicly reporting Rathfinny's climate performance and progress.

GOVERNANCE, MONITORING AND REVIEW

Progress against the Climate Action Plan will be considered annually following Rathfinny's greenhouse gas assessment.

This annual review will consider:

- performance against the two carbon-intensity targets;
- absolute Scope 1, 2 and 3 emissions;
- changes in the principal sources of emissions;
- progress within the five implementation areas;
- emerging reduction opportunities;
- significant methodological changes; and
- priorities and resource requirements for the following period.

The actions supporting this Plan will continue to be developed and refined through annual carbon measurement and review, with input from Rathfinny's operational teams, independent technical advisers and relevant stakeholders.

The Climate Action Plan will be formally reviewed at least every 36 months, and earlier where material changes to Rathfinny's operations, carbon-accounting methodology, technology or climate strategy make this appropriate.

Material changes to Rathfinny's climate targets or long-term commitments will be subject to appropriate governance and Board oversight.

TRANSPARENCY

Rathfinny is committed to transparent reporting of its climate performance.

Its greenhouse gas footprint, climate commitments and progress will continue to be reported publicly. Rathfinny will report absolute emissions alongside intensity measures so that stakeholders can understand both the overall climate footprint of the business and its underlying emissions efficiency as Rathfinny develops.