

## **Carbon Reduction Plan**

**Broadford and Strath Community Company**

**April 2025**



Broadford Bay, the village and campsite

### **Total Emissions**

**29.96 tons CO<sub>2</sub>e in 2024 to be Net Zero by 2045**

*This Carbon Reduction Plan has been produced following the principles of the Greenhouse gas Protocol as part of the Climate Springboard training programme with support from the Edinburgh Climate Change Institute.*

## Contents

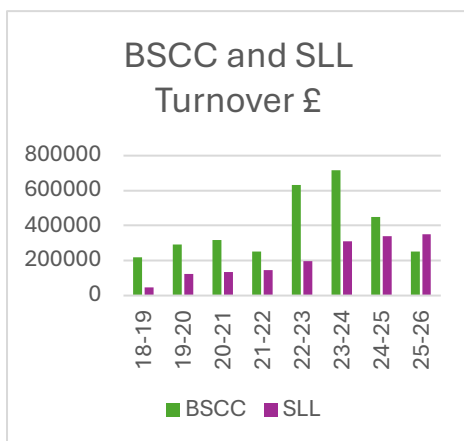
- Introduction
- Vision
- Summary
- Emissions Boundary
- Carbon Footprint
  - BSCC
  - SLL
- Net Zero targets
- Carbon reduction plans
  - Overview
  - Strath Leisure
  - Progress to date
  - Action Summary
- Wider sustainability initiatives
- Declaration
- Acknowledgements
- Appendices
  1. Data sources
  2. CO<sub>2</sub>e calculations
  3. BSCC project evaluation
  4. Strath Leisure Scope 2 Heat map
  5. Commuting evaluation
  6. Relative spends by Scope
  7. BSCC community

## Introduction

The Broadford and Strath Community Company (BSCC) was founded in 2004 with a strong environmental ethos, so adoption of a Net Zero plan is a natural part of our future ambitions. We have evolved over the last 20 years by responding to our community's needs and aspirations so that our stated objective is the creation of a strong, self-sufficient, inclusive, and eco-friendly community. We now have around 30 projects, a payroll of 20, many volunteers and over 200 participants. We have one trading subsidiary Strath Leisure Limited T/A Camping Skye (SLL) who operates our community campsite, events space, and Broadford Public Toilets on our behalf. This report outlines our current carbon footprint and action plans to cut our carbon emissions by 50% by 2030 and zero by 2045.

See our website for more details about the BSCC. <https://www.broadfordandstrath.org/>

Our turnover profile.



As you can see the BSCC turnover is highly variable depending on the number of capital projects we undertake for the community, 22-23 and 23-24 included new public toilets at Broadford and Elgol, a new path with bridges at Elgol and the Skye event Space.

The growth in the Campsite has been well timed with the growth in revenue coming at a time when external funding for community groups is declining sharply.

Currently the BSCC has 35 live projects, but we are projecting that to fall to around 25 in 2025 as a number of projects are either completed or come to the end of their funding. Our current monthly payroll is for 21 people of which just two are full time.

Our diverse projects can be divided into four categories, with some examples.

Capital assets: the Campsite and event space, public toilets, woodland, paths and bridges,

Fixed term projects: The Skye Cycle Way, Highland Waste Collective Partnership, Community Food Production, Community Tree Nursery, and several feasibility studies.

Community support: Local Place Plan, Gardens, path network, woodland development.

On-going Projects: Coordination and development, Mens Shed, Allotments, Outdoor Learning, Flourish Together, community gardener.



Strath Leisure T/A Camping Skye

Our Campsite has showed fantastic growth but is now approaching site capacity and the visitor numbers can be expected to level out. Going forward we will be focussing on improving the visitor experience including our environmental performance.

The SLL campsite has three buildings, an office, maintenance shed and service block plus 26 pitches with hook-ups. In 2024 we catered for around 6000 motorhome pitch nights and 3300 camping nights.

The implications are that we can bias the focus on SLL which has the only Scope 1 emissions and highest Scope 2 emissions because there will be a sustainable and long term impact.

Efforts with BSCC will concentrate on the two Public Toilets and Growers Hub activities; allotments, outdoor learning, Mens Shed and Flourish although their impacts remain small.

## Our Vision

The BSCC stated mission is to improve the social, economic, and environmental well-being of the local community and its visitors. Our origins are rooted in local community driven environmental projects, and we believe this is fundamental to our future.

Looking at the BSSC as a whole our journey to Net Zero is supported by our current projects that are making a very positive contribution to sustainability. Highlights are our promotion of active travel through the creation of new paths and the maintenance of existing ones, our resource and waste reduction project the Highland Community Waste Partnership, Growing food together, the Community Tree Nursery, and Nature restoration.

It is essential that we are responsive to the current and future environmental needs of our stakeholders. A carbon reduction plan towards Net Zero is a central part of that.

From our consultation exercises, notably for the recent Local Place Plan we know that our local community across all age groups has strong and diverse concerns for the environment and climate change. Most of our board members have specific environmental interests and a positive position on climate change is a key requirement for attracting and retaining trustees, project officers and volunteers.

Our very important funders, especially the Scottish Government and its various agencies particularly the local authority, Highland Council, have a comprehensive policy and action plan for Climate Change in contrast perhaps to other countries. Other private funders have it as one of their core requirements.

Our own source of revenue is our campsite with around 45% of our visitors from outwith Scotland. Having a positive position on Net Zero would be an important part of our market positioning.

Finally perhaps one of the biggest drivers is financial. In all cases investment in the green economy yields a very positive return. Some of our biggest single spends are within Scopes 1 and 2. Environmental imperatives are an excellent way to both nudge and learn from our campsite and general visitors.

Our vision to make progress through investment, operational change and the motivation of our workforce and visitors.

## Summary

Scotland has set an ambitious target to reach Net Zero by 2045. In synchrony with that our commitment is to reach Net Zero by 2045. Our strategy follows the principles of the Greenhouse Gas Protocol.

Our baseline total emissions were calculated as 29.96 tCO<sub>2</sub>e for the year 2024 and included Scope 1, Scope 2 and Scope 3 within a defined boundary.

Total	29.96 tCO <sub>2</sub> e
Scope 1	9.40 32%
Scope 2	12.62 42%
Scope 3	7.94 26%

Our Net Zero lead is Jeff Geary, and this programme will be updated annually to reflect the actions and progress made.

## Emissions Boundary Summary for 2024

Our operational boundary has been created in line with the principles of the Greenhouse Gas Protocol. The Carbon Footprint is based on data for the calendar year 2024.

### Applicable and included

<i>Emission source</i>	<i>Scope</i>	<i>Importance of footprint justification</i>	<i>Ease of data collection</i>
Propane boiler - SLL	Scope 1	High	Exact deliveries (4) for 2024 Similar to 2022 & 23 Need to record opening tank position. <i>Flogas</i>
Electricity – SLL	Scope 2	High	Have exact HH data and analysis for 2024 <i>SSE</i>
Electricity – HUB	Scope 2	High	Exact meter readings <i>SSE</i>
Electricity – BPT	Scope 2	High	Exact meter readings – new meter from Jan25 <i>YGP</i>
Electricity - EPT	Scope 2	High	Estimate: needs new meter from <i>EDF</i>
Waste – SLL Landfill	Scope 3	Medium	Bins x capacity litres, Lochiel but needs quantification
Waste – SLL Recycling	Scope 3	Medium	Bins x capacity litres, Lochiel but needs quantification
Waste – SLL Glass	Scope 3	Medium	Bins x capacity litres, Lochiel but needs quantification
Water - SLL	Scope 3	Medium	Metered Pure Utilities.
Water – BPT	Scope 3	Medium	Estimate based on RV – has meter Business Stream
Water - EPT	Scope 3	Medium	Estimate based on RV – needs a meter <i>WAVE</i>
Waste water – SLL	Scope 3	Medium	Calculation from exact water use
Waste water - BPT	Scope 3	Medium	Estimate % based on usage
Consumables – SLL	Scope 3	Low	Largest item is Toilet rolls Invoices from MIS
Commuting - BSCC	Scope 3	Low	Estimate from contracted days
Commuting - SLL	Scope 3	Low	Estimate based on work patterns

### Not included yet

<i>Emission source</i>	<i>Scope</i>	<i>Importance of footprint - justification</i>
BSCC projects	Scope 3	Many end Feb/March 25.
Capital & repairs	Scope 3	Individual projects, five in 2023, none in 2024, none planned 2025 yet. Would add an assessment for new ones
Shop - SLL	Scope 3	Many small camping related items plus coffee audit on opening
Ground keeping SLL	Scope 3	Two third party contractors – inputs labour / fuel / plants
Office - SLL	Scope 3	Category includes stationery but mostly small items for the site
Consumables - SLL	Scope 3	Toilet rolls included – rest is cleaning products
Accounts, banking	Scope 3	Outsourced and of little influence
Insurance	Scope 3	Little influence
IT and communication	Scope 3	Wi-Fi, phones, data storage for further investigation.
Marketing, advertising	Scope 3	Very low spend for SLL
Visitor mileage - SLL	Scope 3	We have about five thousand pa motor homes stopping with us. About 50% UK. Many hire in Inverness.
User mileage - BSCC	Scope 3	Mostly hub users but needs more detailed evaluation

## **Emissions Boundary determination**

See Appendix 6 for a comparison of the annual spends of BSCC against the three Scopes and inclusion in our footprint.

Scope 1 and 2 are straightforward and together are our single biggest spend after salaries. Scope 3 is less so and we have included a combination of the biggest spend and items under our control.

For an assessment of the carbon impact of the wider BSCC charitable activities see Appendix 3

We have included commuting to the two businesses. Due to the SLL team living around 10 miles away the impact of commuting is quite significant and could divert attention from the other impacts on site which we can do something about. So data is presented with and without the commuting factor.

SLL has some peculiar characteristics as the waste level are notable, but the raw material is nearly all produced by visitors.

Our boundary will be reviewed annually to include more emission sources. In addition to reducing our emissions, some of our actions relate to increasing our understanding of Scope 3 factors.

Scope 3 Categories for reference:

- Category 4 Upstream transport – delivery of consumables to site
- Category 5 Waste generation - included
- Category 6 Business travel - minimal
- Category 7 Employee commuting - included
- Category 9 Downstream Transportation – visitor miles TBC

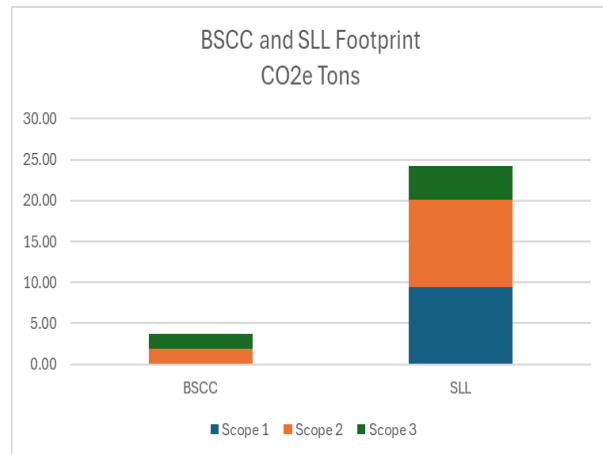
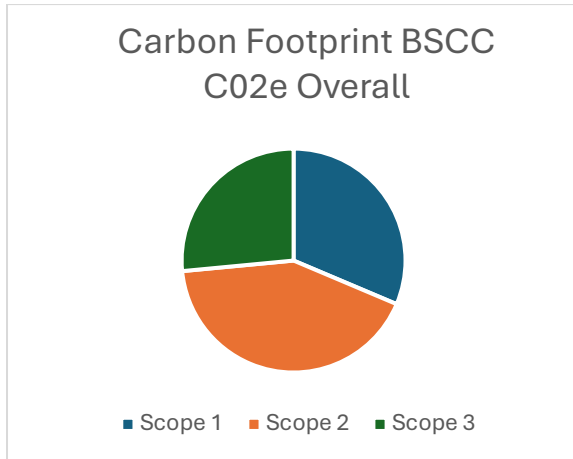
## Carbon Footprint

### BSCC Overall

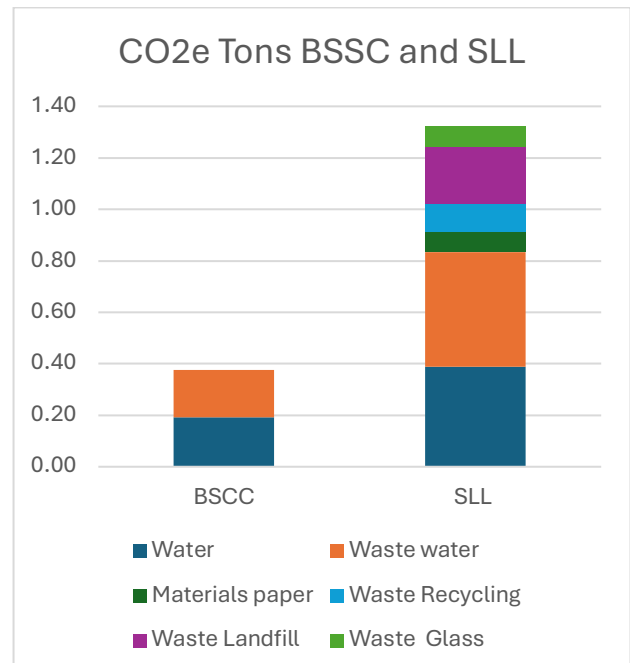
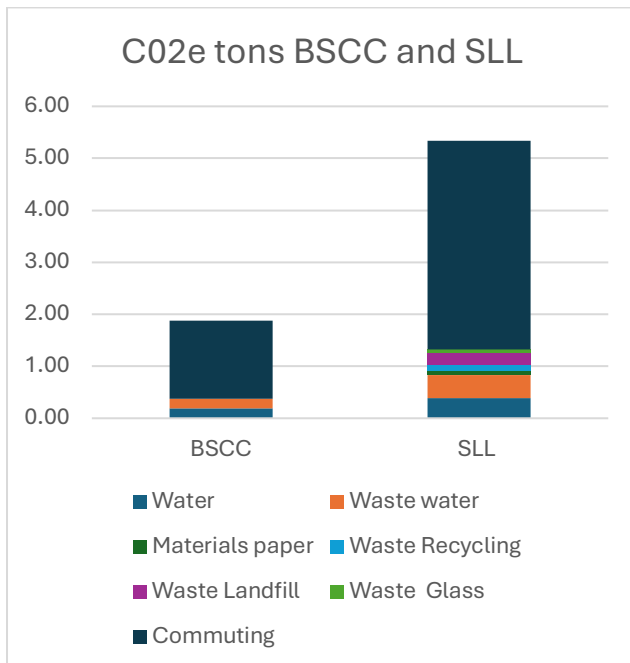
#### Overall tons CO<sub>2</sub>e

Scope 1	9.40
Scope 2	12.62
Scope 3	7.94
<b>Total</b>	<b>29.96</b>

### Overall Carbon footprint for BSCC



### Scope 3 Carbon Footprint for BSCC and SLL With and without commuting



### SLL metrics

Scope 1, CO<sub>2</sub>e kg/SLL visitor-days: 0.40

Scope 2, CO<sub>2</sub>e kg/SLL visitor-days: 0.45

Scope 3, CO<sub>2</sub>e kg/SLL visitor-days: 0.24

## Carbon Reduction Targets

### Emissions

Overall

2024 29.96t CO<sub>2</sub>e

By 2030 Target 13.93 tons CO<sub>2</sub>e – reduction of 53%

By 2045 Target 0 tons CO<sub>2</sub>e – reduction of 100%

Scope 1

Reduce CO<sub>2</sub>e to Zero by 2030

Scope 2

Reduce CO<sub>2</sub>e by 50% by 2030

Reduce CO<sub>2</sub>e by 100% by 2040

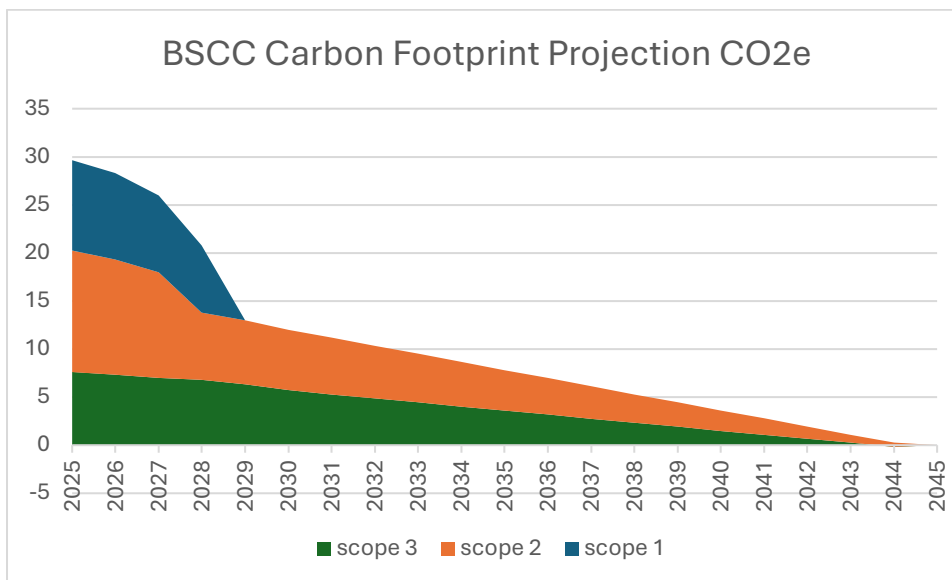
Scope 3

Reduce CO<sub>2</sub>e by 25% by 2030

Reduce CO<sub>2</sub>e by 50% by 2040

Reduce CO<sub>2</sub>e by 100% by 2045

Targets will be reviewed annually at the BSCC and SLL March Board meetings.



We will look for continuous incremental gains for all three scopes, but the big reductions will come from our investments in renewable energy and energy storage.

### Boundaries

Update annually and reset in 2030

Update Scope 3 components annually

## **Carbon Reduction Action Plans**

### **Overview**

Scope 1 is a priority at 31%, 9.4t CO<sub>2</sub>e and aim to cut that to zero by 2030.

Scope 2 is a priority at 42%, 12.62 tCO<sub>2</sub>e and aim to cut that by 50% by 2030

Scope 3 is a lower priority, 27% tCO<sub>2</sub>e and aim to cut that by 25% but much of our Scope 3 action will be to understand the significance of category and obtain more precise data.

Across all three scopes, Strath Leisure is responsible for a very high percentage of our emissions so worthy of our main focus. Within all three scopes our level of influence can be splits into two categories. We do have overall control over infrastructure and our current and proposed actions cover both small tweaks and major capital investment. Less easy to influence is guest behaviour, particularly in use of energy and the production of waste.

A good proportion of our electricity consumption is with campervans plugged into our network where our influence is indirect. Likewise practically all waste is from material brought on site by our guests. We also have very little influence on their wider travel emissions.

So our Strath Leisure action plan contains two main elements, some high impact capital proposals coupled with an attempt to utilise industry best practice to nudge our guests into more economical behaviour patterns.

### **Strath Leisure**

#### **Scope 1**

We will be exploiting the proposals from the energy audit prepared for us by Business Energy Scotland. We are looking at investing in a heat pump installation for the SLL service block to replace the use of propane, 100% of our Scope 1 emissions of 9.4 tons CO<sub>2</sub>e.

The next step will be to secure funding and obtain quotes.

#### **Scope 2**

Likewise we are using the report from Business Energy Scotland, and they are helping us to scope the design and balance of generation solar and wind, and battery storage and review our ITT's.

This will include a turbine, solar panels and battery storage and will of course require a mix of grant support and investment. The SLL usage is skewed towards the summer so the whole installation will include the BSCC activities on the adjacent site which is primarily a winter demand. This will cover a large percentage of the SLL 90% of our total scope 2 emissions of 11.41kg CO<sub>2</sub>e.

A second strand is to investigate how we can both recruit and nudge our guests into saving energy on site. By September 2025 season we aim to have a suite of best practice to put into place. We are planning to invite contributions from guests, quiz our contacts in other west coast campsite operators and use contacts in SCOTO and DTAS.

### **Scope 3**

We have selected waste as an area to get a better understanding. Most of our waste is brought on site by visitors so we have very little control. If we want to implement best practice we need a better understanding of the volume / weight relationship, what exactly is in our waste categories and how can influence behaviour. So we will be conducting regular audits of the waste on site to check on segregation, the materials mix and typical weights.

### **Progress to Date**

#### **Scope 1**

- SLL – we have replaced a propane boiler in the office building with a heat pump

#### **Scope 2**

- SLL – we have replaced all on site lights with LEDS, after consulting our guests with 50% on luminosity/motion sensing and 50% on luminosity only.
- SLL – we have cut our maximum availability in kVa by 50% an easy saving
- SLL – we are now using heat recovery in the washing and drying area
- SLL – all extraction fans in the facilities are on humidity sensors and timers

#### **Scope 3**

- SLL – waste. We have our own glass crusher on site, the resulting sand being used in paths, the sensory area and in mortar bases for our community benches.
- SLL – water. We have installed motion sensors in the showers with 3 minutes per activation, push taps on every sink, One minute per activation, all temperature controlled.
- SLL – consumables. We have installed economic toilet paper dispensers, sheet by sheet with electric hand driers.



Glass Crusher in operation

## Action Summary

<b>Source</b>	<b>Action</b>	<b>By year-end</b>	<b>Who</b>
<b>Scope 1</b>			
Propane	Scope the design of a heat pump system	2026	SW/BSCC
	Install a heat pump system	2030	SW/BSCC
<b>Scope 2</b>			
Electricity	Issue tenders and agree a specification for a comprehensive integrated battery, turbine and solar solution	2025	SW/BSCC
	Finalise financing and install	2026	SW/BSCC
Electricity	Investigate how to engage our CS visitors to save energy. Research best practice. Engage with guests. Generate an appropriate action plan	2025	SW
	Resolve metering and Investigate energy saving opportunities for the EPT	2025	JG
<b>Scope 3</b>			
Waste	Get more precise waste data at SLL for recyclables and landfill.	2025	SW JG
	Find ways to improve the segregation of the waste streams	2025	SW
	Implement the new waste glass crusher and optimise the sand utilisation	2025	SW
Water	Investigate how we can take advantage of installing meters at both Public Toilets	2025	SW JG
	Investigate the relative water usage at both and ways of cutting consumption	2025	SW
Consumables	Quantify consumables used by CS	2025	SW
	Look for opportunities to reduce our consumables footprint	2025	SW JG
Commuting	Investigate the installation of EV charging	2026	SW JG
	Purchase a e-cargo bike for on site transport and for the Community Gardener	2025	SW JG
<b>Overall</b>	Include Net Zero updates in our monthly and AGM reporting	2025	JG

BSCC – BSCC Coordination team

SW – SLL Senior Warden

JG – BSCC

## **Wider Sustainability Initiatives**

The Carbon Footprint of our internal activities is a small part of our overall environmental impact and ambitions. Most of the BSCC activities take place in the community directly and indirectly and there are some key themes.

### ***Active travel***

To promote active travel participation, we have instigated a range of on going initiatives: The creation of an off-road cycle route from Kyle to Broadford, The Skye Cycle Way. This has been brought to be build ready and for adoption by the Scottish Government. We have conducted a comprehensive review of our local path network with recommendations for at least three new link paths. We have created a new footpath in Elgol linking the village and harbour. We have maintained and resurfaced many parts of the of the path network in Broadford.

To support active tourism at SLL/Camping Skye we have created a tourist cycle support facility, the 'Green Shed'.

### ***Waste reduction***

We are reaching the end of a three year project the Highland Collective Waste Partnership aimed at both waste avoidance and avoiding the purchase of new materials through re-use, repair and re-purpose We can see there will be a substantial legacy in a range of areas; Clothes swaps, sewing and mending workshops, composting, electrical repairs

### ***Food growing***

Our Allotments and Grower's Hub projects were stimulated by local demand and but have made an impact on the many food miles associated with our remote location. This continues with a Growing Food Together initiative aimed at encouraging local food production.

### ***Forestry***

We have set up a new community tree nursery aimed at producing hardwood species of local provenance. We are also in the process of acquiring further woodland for redevelopment for local broadleaf species and a greater biodiversity. An additional carbon compensation scheme is the regeneration of deep peat areas in our community woodland area.

## Declaration

This is a Draft Carbon Reduction Plan is has had input by our operational teams and is being reviewed by our board of directors and by the Springboard team.

## Acknowledgements

We would like to thank the following for their support and encouragement:

- The Climate Springboard team at the Edinburgh Climate Change Institute, Edinburgh.

## Appendices

1. Sources of Information
2. CO2e calculations
3. BSCC current project evaluation
4. SLL Scope 2 heatmap
5. Commuting calculation
6. Relative Spends BSCC and SLL
7. Local place plan introduction – Broadford Community

Document version	Initial	Date
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