

BANHAM ZOO

Breckland Council's Low Carbon
Regeneration Programme

Industry: Zoo

Employees: 130 (Banham)

Location: Banham, Norfolk, UK

Website: zsea.org/banham

Overview

Banham Zoo is a renowned wildlife park and conservation charity, home to over 2,000 animals from around 100 species worldwide. Established in 1968, it is part of the Zoological Society of East Anglia (ZSEA), a charity dedicated to conservation, education, and animal welfare.

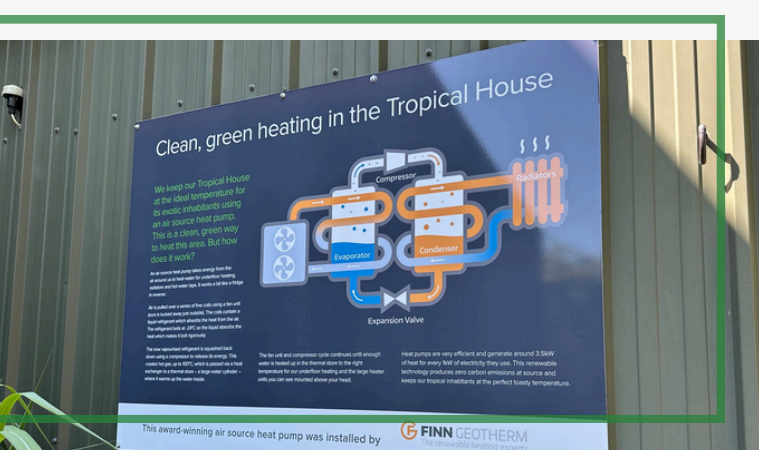
The zoo participates in global breeding programmes for endangered species, supports wildlife conservation initiatives, and provides engaging experiences for visitors, including animal encounters and keeper talks. With its focus on biodiversity protection, animal care, and education, Banham Zoo inspires visitors to appreciate and preserve the natural world.

Executive Summary

Banham Zoo is committed to sustainable practices and reducing its carbon footprint. As part of this effort, the zoo joined Breckland Council's Low Carbon Programme, working with Opergy Ltd. to address its scope 1, 2, and 3 emissions and develop a comprehensive decarbonisation strategy. Building on its existing initiatives, such as the energy-efficient

design of its tropical house, the installation of solar panels, energy-efficient lighting, and improved waste management practices, the zoo aims to further enhance operational efficiency and sustainability.

By implementing these measures, Banham Zoo is accelerating its journey towards net zero and contributing to a more sustainable future for wildlife and the planet.



The Low Carbon Regeneration Programme

Breckland Council's Low Carbon Regeneration Programme, funded by the UK Shared Prosperity Fund (UKSPF), was a comprehensive initiative designed to help businesses reduce their carbon footprint, lower energy costs, and embrace more sustainable practices. The programme offered tailored technical advice, guidance, and recommendations to support the adoption of energy-saving solutions and to increase the use of renewable energy.

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This initiative aligned with the Council's ambition to achieve net zero by 2035 by leveraging its regulatory powers to drive behavioural change and empowering communities to take meaningful action toward sustainability.

Joining Breckland Council's Low Carbon Programme allowed us direct access to Opergy Ltd.'s professional advice and consultancy. Online workshops were designed to empower people and businesses of all sizes and at any stage of their decarbonisation journey.

Jandre Smuts, Head of Capital Projects and Estates

The Partnership

Banham Zoo's commitment to sustainability aligns seamlessly with Breckland Council's Low Carbon Programme. By partnering together, both organisations aim to drive meaningful environmental change.

With the expertise of Breckland partner consultants at Opergy in sustainability and energy efficiency, the zoo gained valuable tools and resources to further reduce its carbon emissions and enhance its eco-friendly practices.



The Challenges

Banham Zoo faces several challenges in its journey toward decarbonisation, including the high energy demands of maintaining suitable environments for its animals and the logistical complexities of implementing renewable energy solutions in a rural setting.

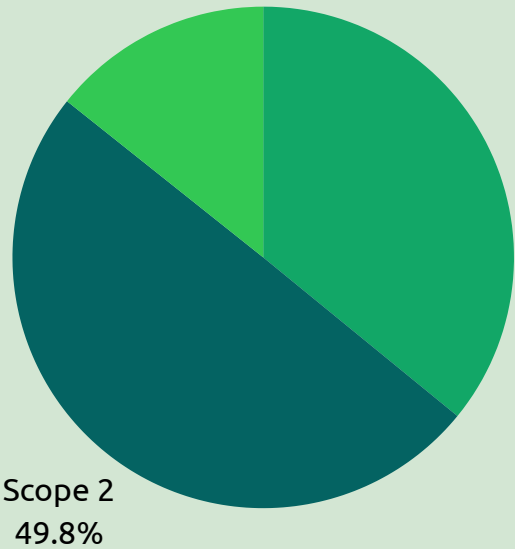
Additionally, balancing sustainability goals with the need to deliver an exceptional visitor experience adds to the complexity. The Low Carbon Programme supports the zoo by offering expert guidance from Opergy, tailored strategies to optimise energy use, and practical solutions to address these obstacles. This partnership empowers the zoo to make meaningful progress toward its net zero ambitions.



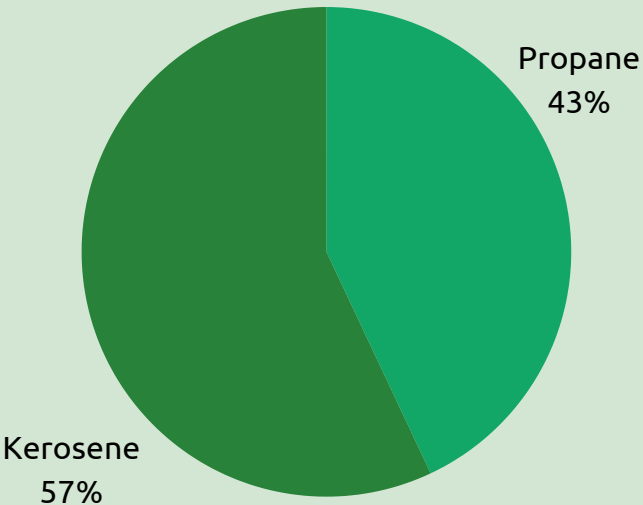
Banham Zoo's Scope 1, 2 & 3 Emissions

To address these challenges, a comprehensive assessment identified Banham Zoo's primary sources of greenhouse gas emissions:

Total emissions

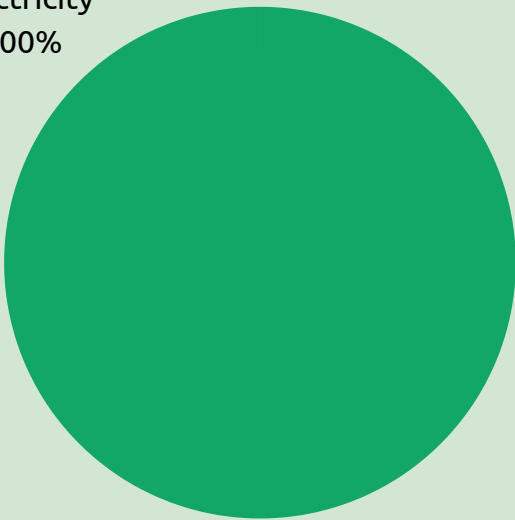


Scope 1

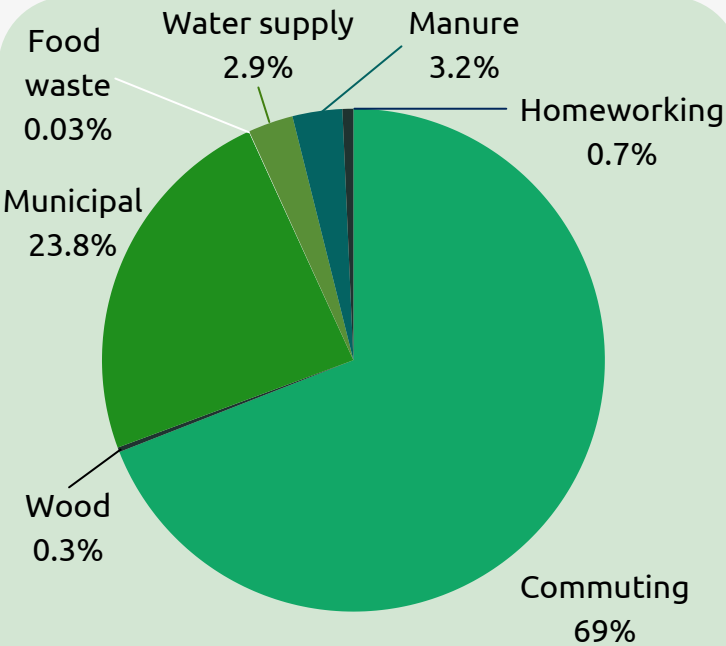


Scope 2

Electricity
100%



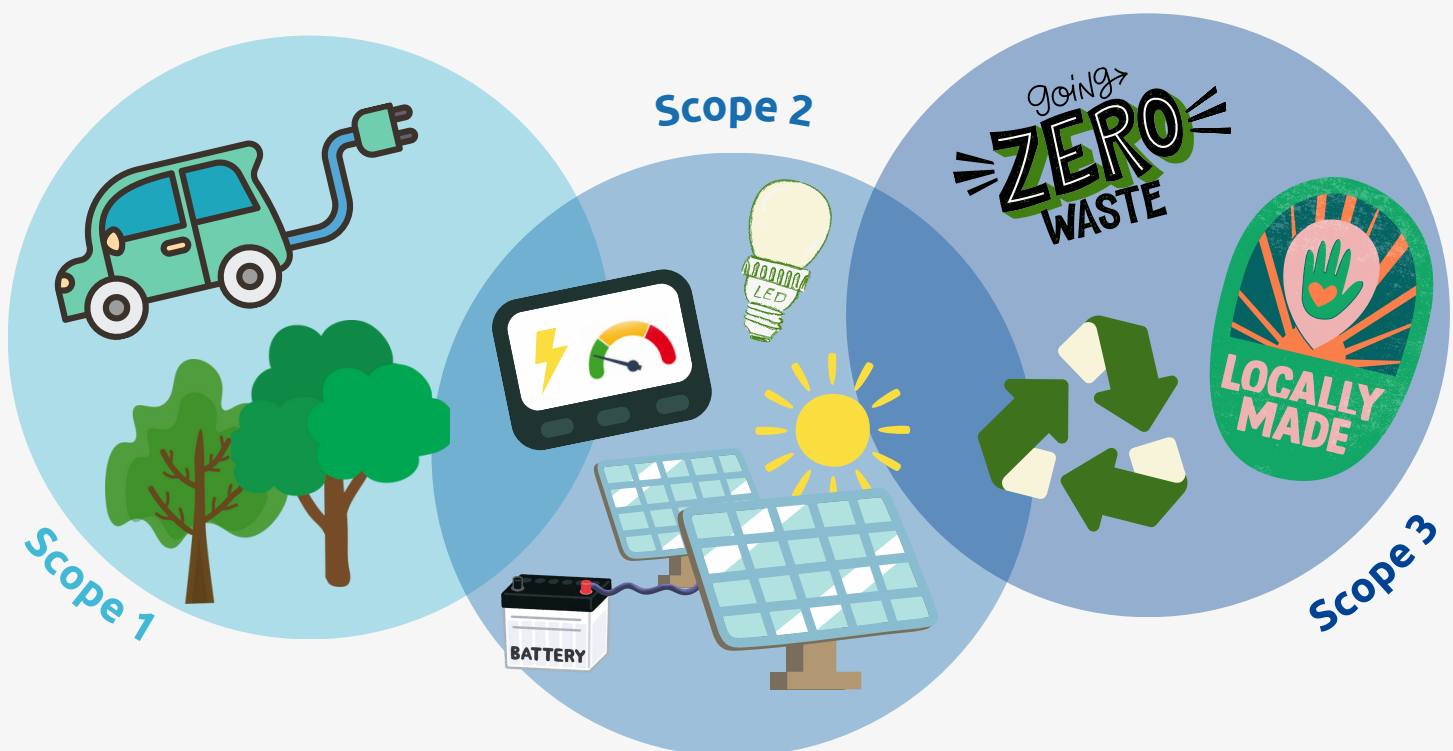
Scope 3



How The Programme Will Help Banham Zoo To Decarbonise

The Low Carbon Programme is instrumental in driving Banham Zoo's decarbonisation efforts. The programme provided a strategic framework for the zoo to identify and implement high-impact changes, building upon their prior sustainability initiatives.

This targeted approach will enable Banham Zoo to achieve its environmental goals, improve operational efficiency, and reinforce its position as a leader in sustainability within the zoological and tourism sectors.



The Future

Banham Zoo is committed to leveraging its newly developed decarbonisation plan to achieve its net-zero goals. The plan, a roadmap for future action, outlines key strategies including exploring on-site renewable energy, enhancing energy efficiency, and sourcing sustainable alternatives for consumables.

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The decarbonisation plan gave us an accurate baseline on emissions to measure progress from along with a clear road map to reduce these emissions with proposed solutions relevant to our business and operational needs.

Jandre Smuts, Head of Capital Projects and Estates

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While still in the early stages, the zoo is dedicated to implementing these recommendations building on past sustainability efforts. Through these actions, Banham Zoo aims to reach its net-zero targets and inspire a wider movement towards environmental responsibility.