



Cooperative of Leicestershire Organic Growers Botcheston, Leicestershire



Project Overview

The Cooperative of Leicestershire Organic Growers (CLOG) has worked with the British Airways Carbon Fund on two innovative, impactful projects. The first, in 2018, was to install a solar PV water pump and irrigation system, which has proved to be invaluable during periods of dry weather. In 2019 CLOG received a second grant to develop a passive cold store, built with sustainable materials and solar panels which has massively increased its capacity to store fresh produce in a sustainable way and reduce food wastage, contributing to the overall sustainability of the cooperative.

Technology Types:

- Solar PV water pump and irrigation system
- Passive cold store with solar PV

Grant Values:

Grant 1 - £8,991
Grant 2 - £51,500

Project Details

CLOG is a cooperative smallholding in rural Leicestershire that provides fresh organic produce for the surrounding area. It offers volunteering opportunities and horticultural training. It also runs a series of outreach and educational days for the local community and schools.

Working with the British Airways Carbon Fund, CLOG have developed two ground-breaking and highly innovative projects. In 2018, it received a grant to install a solar powered water storage and irrigation system. Designed by CLOG, the system was the first of a kind in the UK. 2018 was one of the driest summers on record and the system proved indispensable straight away: CLOG even increased its volume of vegetable production by 34% that year.

In 2019, it received a further grant of £51,500 to build a solar powered cold store using passive design techniques and sustainable materials. This pioneering project has resulted in a solar refrigerated storage space that is equivalent to 45 domestic fridges. This has delivered a CO₂ saving of 30 tonnes every year.



Project type:

British Airways Carbon Fund grant

Grant Value:

£60,491 (2 grants)

Social Impact:

Both projects have resulted in increased productivity and less wastage for CLOG. Along with a reduction in utility costs, this has meant it can continue to provide affordable organic produce to the local area. The innovative nature of these projects can help improve the sustainability of the agricultural sector in the UK.



"We feel we're well on our way to being environmentally and economically sustainable and resilient. We are extremely grateful to British Airways customers & Pure Leapfrog who have enabled us to create something cutting edge that we hope will help make agriculture more environmentally sustainable".

Sarah Fall, Director, CLOG

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