

# DDCE Decarbonisation Site Report

*For presentation at Derbyshire Dales District Council Climate Emergency Task group*

*Monday 8 January 2024, 6pm*

## Introduction

DDCE is working with the Big Solar Co-op to reduce carbon emissions and energy costs of local businesses and community facilities. Both organisations are not-for-profit, carbon-first and volunteer-led.

We welcome the opportunity to share with DDDC Climate Emergency Task group the progress that we have made within the district and wider county of Derbyshire. We set out a summary of the data below.

## Potential of the Current Renewable Energy Sites in Derbyshire

<b>Community Group</b>	<b>Type of Renewable</b>	<b>power kWp</b>	<b>Annual production kWh</b>	<b>CO<sub>2</sub> saved (tonnes)</b>
Belper Community Energy Total	roof mounted solar	559	504,058	102
Birch Vale CIC Total	roof mounted solar	100	85,000	25
Bonsall Community Energy Total	Wind and ground mounted solar	350	532,000	27
Brassington Community Energy Total	ASHP, wind	2,827	2,000,000	58
Cromford Mill (Arkwright Society) Total	Hydro	40	115,900	6

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Darley Abbey Community Energy Total	Hydro	50	330,000	44
Derbyshire Dales Community Energy (DDCE) Total	roof mounted solar	1,510	1,268,232	349
Horsley Woodhouse Parish Council Total	roof mounted solar	40	33,600	20
Staley Community Energy Total	ground mounted solar	250	212,500	30
<b>Grand Total</b>		<b>5,726</b>	<b>5,081,290</b>	<b>661</b>

### Prospective New Sites

- Lady Manners School, Bakewell
- Twigg Steel Fabrication Unit
- Imperial Road Surgery, Matlock
- Whitworth Hospital, Matlock
- Bakewell Golf Club
- Proposed new Aldi store, Matlock.
- Holy Trinity Church and adjacent school, Matlock Bath.

### DDCE achievements so far

- Secured RCEF funding and Derbyshire County Council funding for approximately £150k.
- Supported Arkwright Society to secure £60k crowdfunding target for their Hydro scheme.
- Supporting 16 other community energy groups across the county.
- Supporting the Midland's Net Zero Hub and REGEN in promoting community energy more widely across the East Midlands.

- Initiating and creating net zero carbon research opportunities with Nottingham University and the Arkwright Society.
- Developing a joint bid with the sustainability Charity Change Agents UK for £0.5m National Lottery Funding Climate Action Fund to support existing and wider community energy development in Derbyshire and into Nottinghamshire.
- Awarded “Community Energy Organisation of the Year 2023” by Community Energy England
- Supported the Big Solar Co-op’s investment campaign, currently amounting to £1.1m
- Using ethically sourced Solar PV arrays.
- Supporting local installation companies to secure their long-term viability.

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*Derbyshire Dales Community Energy is a local, volunteer-run social enterprise formed as part of our region’s response to the climate emergency. We champion energy democracy, looking beyond a straight swap of fossil fuels for renewables.*

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For more information, please visit <https://derbyshiredalesenergy.org.uk/>

