

Mellor Village: Solar and EV Car Club

RCEF Stage: 1



Key Facts

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| Land | The Village hall with EV charge point makes it the perfect place to host the EV car club. |
| Grid | Village halls need to consider if they want a slow charge 7kW, fast charge 22kW or a rapid charge 50kW and whether the grid has enough capacity. |

Key Figures

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| Project size: | 3 EV cars in a car club |
| Tech type | |
| Energy Generation | 1 car club car removed 20 from the roads (and parking). |
| Private finance leveraged | £100,000 is needed to seed the car club – or lease vehicles could be used. |
| CO2 savings | This depends on usage, but air quality will also be improved. |
| RCEF grant | £21,699.55 |

The Story

The scheme demonstrates the critical need to support the increase of zero-emission vehicles. Our village has a significant proportion of traditional weaver's cottage-type housing with no off-street parking. Without the provision of a village off-street charging facility it will be virtually impossible for the majority of village residents to charge electric vehicles overnight "at home". The scheme also looks to create a renewable energy generation facility to, as a minimum, offset the power demands of the recharging points. The village hall has 10kW of PV, an ASHP and now an EV charge point. Our project is working with the community to help them understand renewable energy options and work is going on to see if we can create enough demand to establish an EV car club in the village.

Challenges & Risks

Getting people to move away from individual car ownership is hard. Car ownership is a 'social norm' and people are wedded to a 'just in case' scenario of reliance on a vehicle. However, being a member of an EV car club can save emissions, and up to £3,500 of household budget, which would be helpful for many in the current cost of living crisis.

Lessons Learned

Encouraging people to engage in a project that is far removed from anything they have heard or thought about before is difficult. We have to explain the idea and change perceptions before people accept the concept of an EV car club.

Further notes

LEP area: Lancashire

Link for further info:
We're working to replicate this successful example: [Derwent Valley Car Club \(facebook.com\)](https://www.facebook.com/derwentvalleycarclub)