

CREATING ENERGY WE CAN ALL FEEL GOOD ABOUT

www.lowcarbonhub.org





Community Grants Programme



Supporting community energy activities across Oxfordshire that contribute to the creation of a decentralised and locally owned renewable energy system.

- 'powering up': increasing renewable heat or electricity generation
- 'powering down': improved energy efficiency in homes and buildings
- supporting the shift to a low carbon transport system.

Small grants up to £500 – apply any time before 14 February 2024

Large grants up to £5,000 – single competitive round apply by 19 January 2024

Only Low Carbon Hub community group network members can apply



Networking and training



As a member of our network, you also get to participate in all our events and training. Such as:

- Thermal Imaging Training
- Energy Champion Training
- Regular community group meetings











Energy Solutions Oxfordshire



Tailored energy assessment plans that give organisations everything they need to cut energy waste and start their net-zero journey.

Based on energy use analysis and on-site visits, and delivered by trusted experts, it includes:

- analysis of current energy use
- a costed improvement plan
- low/no cost options
- identifies where you waste energy
- highlights equipment and fabric improvements
- shows how to run your buildings more efficiently







Who is this service for?

Any business, educational or academic institution, community organisations or charities - in short, any non-domestic workplace in Oxfordshire

We offer a free downloadable Workplace Energy Efficiency Checklist, which gives advice on how they can implement some quick-win measures to get started on their journey.





You know that reducing energy waste makes perfect business sense.

Now is the time to act.

Start cutting your organisation's energy use today. Use this Workplace Energy Efficiency Checklist, designed by the ESOx team of experts, which includes quick-win actions that you can implement right away.

These actions have been designed to help with those important first steps of your journey towards greater energy efficiency and a more sustainable business approach.

energysolutionsoxfordshire.org



Don't forget to share and cele Internal communications

Get people onboa

When implementing any energ vital element to remember is pe

suppliers to partners and custo about your goals and the reason

their active involvement will I

Getting your employees on board is one of the simplest ways to implement energy-efficient behaviour - they are the people involved in your business every day, so if they all make small changes, they will help to create bigger results. You could even write energy saving targets into job descriptions.

- Ensure your management committee regularly reviews the strategy for making the building work more efficiently when it comes to energy and move towards Net Zero carbon emissions as soon as possible.
- Ensure that training is regularly updated and reiterated when necessary. This might occur when new individuals join, when new technologies are adopted, or even when a reminder proves beneficial.
- Share any targets you have set with those using and helping run the building, as well as updates on how it is going - say 'thank you' when improvements are made or targets met.
- Include people who are in your workplace out-of-hours, such

Communicating with the community

It can be useful to have evidence of your building's environmental impact designed to demonstrate to your team, customers, partners, and the public your commitment to reducing energy usage and being part of the fight against climate change.

- Communicating your energy efficiency drive. This could help with marketing your business to potential new customers who may be interested in your commitment to sustainability and the fight against climate change.
- Added publicity opportunities: Is there a local Net Zero plan re? Oxfordshire has a Pathways to a Zero Carbon





Who can benefit?

- Any community building in Oxfordshire or within 25 miles of Westmill Solar Park
- Organisations are likely to be at an early stage of exploration into improving their energy performance
- Or you may be planning a new build and would like feedback on architectural plans for new facilities
- The workplace energy efficiency checklist can help get them started
- Community buildings checklist on our website with additional advice, including funding options

carbon





Action on Carbon and Energy in Schools



Action on Carbon and Energy in Schools (ACES) is an energy efficiency support service to help schools in Oxfordshire carry out energy saving measures to:

- Cut carbon emissions
- Save money on energy bills
- Make buildings more comfortable and healthier for staff and students



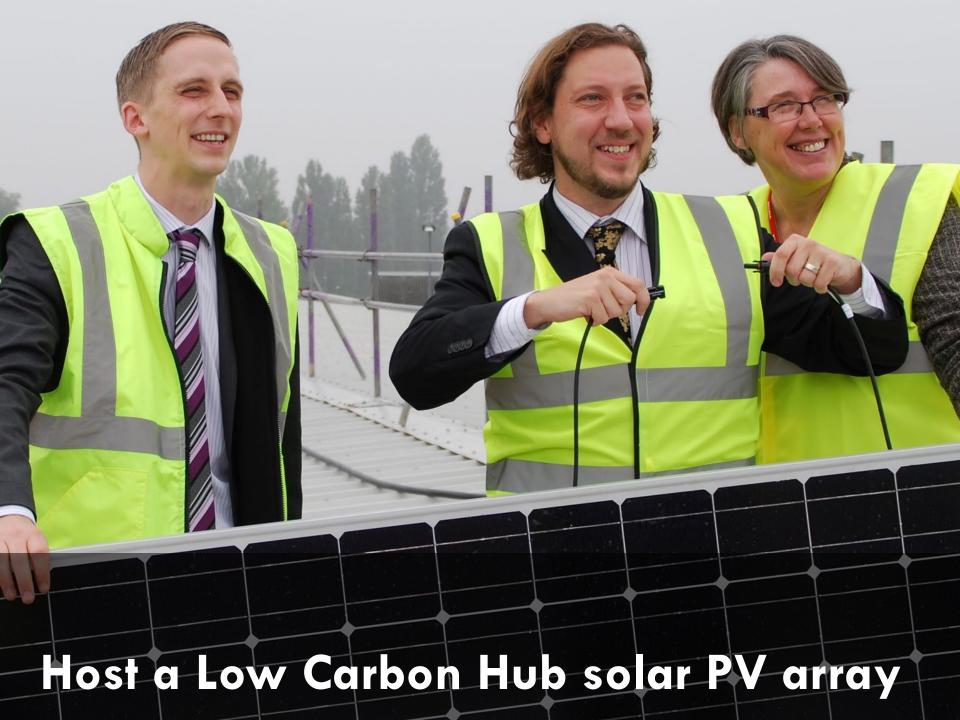


Improving schools energy efficiency

- Free energy efficiency support to schools in Oxfordshire
- Free energy assessments to assess the changes that would benefit your buildings
- One-to-one support in creating bespoke energy efficiency plans for your school
- Access to webinars, workshops, and other events to help you







Host a Low Carbon Hub-owned solar array



How does it work:

- We own the solar panels, leasing roof space from our host organisations (e.g. schools, businesses, community halls)
- We raise the capital to pay for the kit and installation
- We manage and maintain the array throughout its lifetime
- The host organisations buy the energy they need from the panels, and any excess is sold to the National Grid
- We reinvest 100% of our own surplus revenue (after costs and investor returns) in carbon-cutting community activity

A potential site will be...

- 250 m² minimum roof size
- 50 kW minimum installed capacity
- Building has significant day-time energy use
- Not north-facing
- Good roof condition
- Owner-occupied or 10+ year lease
- Organisation is interested in hosting a Low Carbon Hub installation





Case study: Thames Travel

- Project commissioned September
 2019
- 175 solar panels installed
- 50 kWp installed capacity
- 44,303 kWh of renewable energy generated per year
- Could power 15 typical homes per year





Potential ground mount

- Minimum 20 acres
- > 5 MW array
- Not grade 1 or 2 agricultural land
- Owner interested in hosting an installation for 30+ years

Smaller arrays (5 acres, 1MW) may be possible if the site can be linked via private wire to a nearby customer with high annual electricity bills (£150,000+p.a.)







Energy Advice Programme

- Comprehensive online advice on our website
- Warmer Winter Checklist
- Volunteer Energy Champions and two energy advisers
- Energy Advice stall in a box
- Free Energy Champion training days







Cosy Homes Oxfordshire



Plan Builder Cosy homes

oxfordshire

Get started with a plan for free

Whole House Plan

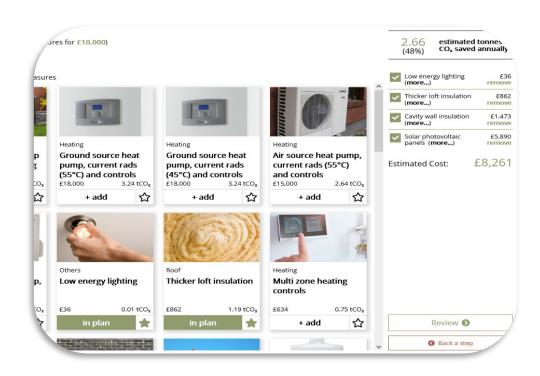
An in-depth personalised report on your home and energy use

Retrofit Coordinator

A skilled expert who will help guide you in your decisions, resolve problems, and guide homeowners through the build process

Plan Builder

- Free online tool giving
 Oxfordshire residents an
 idea of possible energy
 efficiency measures for
 their home, based on
 existing data about their
 address and housing type
- Estimates energy, cost, and carbon savings as well as project costs
- If user is happy with plan, they submit it, and Cosy Homes gets in touch to discuss details





Case study: East Oxford terrace

- House: late 1800s terrace with solid brick walls
- Lis and Sarah were very conscious of the environment, and cutting carbon emissions was the main aim of their retrofit

Measures:

- 2 kWp solar PV array
- Traditional timber sash windows with double glazing
- Air source heat pump
- Internal wall wood fibre insulation (IWI)
- Cavity Wall Insulation (CWI)
- Loft insulation on the main roof with a controlled ventilation system
- Flat roof insulation on the backroom extension
- Underfloor heating and insulated floors

Savings:

59% estimated savings on energy bills, 68% reduction in CO₂
 emissions: 3.39 tonnes of CO₂e are saved every year



Who is this service for?

- **Homeowners** who want to reduce their energy bills, cut carbon emissions, and have more comfortable home
- Residents with older or more complex homes benefit greatly from our 'Whole House Plan'
- Those in the 'able-to-pay market' who are ready to start installing energy saving measures, with an overall estimated cost above £20,000









Other support to consider



- Oxford Church Buildings
 - Oxford Diocese Energy Audits Programme
- Community Energy England
 - 'How to' do community energy
- CAG Oxfordshire
 - www.cagoxfordshire.org.uk



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