

GRANT ACTIVITY

We've been awarded additional funds for "Greener Barningham" activities from two new funders, while a third application was unsuccessful.

A grant of £3,495 has been awarded to us for our lighting replacement initiative and on-going tree and hedge planting activities. The grant comes from the **Neighbourhood Budgets** of our local Councillors George Richardson and James Rowlandson. Our successful application was facilitated by Annalisa Ward of the **Teesdale Area Action Partnership**.



We've also just received £3,000 from the **National Lottery Community Fund** to continue work with local landowners to improve the environment, support wildlife and enhance biodiversity.

Sadly, we were unsuccessful in our application to the Prince's Countryside Fund for a grant under the *Supporting Rural Communities* programme. The project would have compared three sustainable heating technologies suitable for older houses off the gas-grid to eliminate the use of fossil fuels. We will continue to look for opportunities to undertake technical projects that support local residents in the transition to net zero.



Our volunteers completed another successful planting season in winter 2021/22 in Barningham and Newsham, planting nearly 1,100 trees and hedge whips which exceeded our plantings of the previous winter. The work included creation of a new copse, 120m of hedgerow, and significant stock fencing works. Our volunteer team increased to 33 people, including landowners, and they contributed 275 hours to improving our local environment.

This winter we'll be working in the Bull Acre, a field owned by Barningham Parish, as well as continuing work at other sites. We'll be planting a 100m hedge on the north edge of the Bull Acre and creating a copse of 150 trees on the east side. **New volunteers always welcome!** Join us for some outdoor activity and an opportunity to make new friends. Contact Martha (07984 756080) for details.

Barningham Net Zero formed in April 2020, our primary aim being to reduce energy costs for local residents and businesses and work towards a net zero carbon footprint for the village. We also undertake activities which have an environmental benefit. **Our team:** George-Anne Brooks, Judith Lewis, Martha McBarron, Steve Ottevanger, Mike Peach and John Terrill.

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Barningham Net Zero News...issue 14

It's been quite a while since our last newsletter and a lot has happened over the past year. Even in Barningham, we've seen changes and a number of new residents have moved into the village. Welcome!



HELP TO CUT ELECTRICITY BILLS

Worried about your winter electricity bills?

Barningham Net Zero are here to help! Thanks to a grant from Durham County Council, we are able to offer free LED light bulbs to all Barningham residents. We can even do a survey of your household lighting, identify your most costly lights and replace them for you!

Lighting accounts for 10-20% of average household electricity demand according to the Energy Savings Trust. Although this sounds like a small amount, with rapidly rising energy costs and risk of power outages in the coming winter, it's a good time to replace inefficient bulbs. LED bulbs are the most cost-effective type, with lower running costs and significantly longer life. They are also easy to recycle as they do not contain toxic chemicals.

A survey of a typical three-bedroom Barningham house found potential savings of £130 per year, surprising the owner who had already replaced a lot of bulbs with LEDs. The main culprits were halogen bulbs in spot lights and task lighting – lights that look small, operate on low voltage but have relatively high wattage, which is what needs reducing if you want to save money.

To assist you in reducing your lighting costs, Barningham Net Zero are offering FREE lighting audits and replacement of the most commonly used types of bulbs (see further details overleaf). If you prefer to do-it-yourself, we can provide your household with a number of free LED bulbs. Simply fill in our DIY Lightbulb Replacement form to get your free bulbs (subject to availability). You can also give us your waste bulbs for safe disposal if you wish.

Our grant will enable us to supply over 300 free LED bulbs to Barningham residences, which we aim to distribute equitably within the village. It will also reduce the village's carbon footprint. So why delay? Contact us today to get started and reduce your electricity bill!

Barningham Net Zero Community Interest Company
Meeting the Climate Change Emergency in Barningham

www.barninghamnetzero.com

FREE LIGHTING AUDITS AND LIGHTBULB REPLACEMENTS

How does it work?

Book your free audit OR ask for a DIY bulb replacement form

Email info@barninghamnetzero.com or call/text Martha on 07984 756080.

Advise us of any special needs, e.g., *would you like another family member to be present? are any special arrangements needed for pets?*



On the day of the audit

- The audit is likely to take one to two hours.
- Two of our team will visit your house:
 - One will examine light fittings
 - One will record the findings
- We will examine lights in all internal and external areas that you allow us to access.
- We may use a small step ladder to access some fittings.
- We will only record information for light bulbs that are not LEDs.
- To calculate your estimated costs and potential savings, you will need to tell us:
 - Your current electricity cost (pence/kWh). This can be found on your latest electricity bill.
 - How many hours per day (per week or per year) the light is switched on.
 - If you are unhappy with the lighting level (too bright or too dim).
- We aim to replace some inefficient lightbulbs at the time of the audit. Others may need to be ordered.

After the audit

We will provide you with a report for your house.

This will include:

- The details we recorded from the audit.
- The estimated annual electricity cost for each non-LED bulb.
- The estimated annual electricity cost with an LED replacement bulb.
- Potential annual savings and recommendations on which bulbs should be replaced.
- Your current carbon emissions and how much they could be reduced by LED replacements.

Barningham Net Zero Home Lighting Audit Report

Room / Area	Existing Bulb	Estimated Annual Electricity Cost	New Annual Cost with LED	Annual Savings
LIVING ROOM	2x 60W	£12.00	£2.40	£9.60
KITCHEN	2x 60W	£12.00	£2.40	£9.60
BEDROOM 1	2x 60W	£12.00	£2.40	£9.60
BEDROOM 2	2x 60W	£12.00	£2.40	£9.60
BATHROOM	2x 60W	£12.00	£2.40	£9.60
HALLWAY	2x 60W	£12.00	£2.40	£9.60
TOILET	2x 60W	£12.00	£2.40	£9.60
STAIRS	2x 60W	£12.00	£2.40	£9.60
OUTSIDE	2x 60W	£12.00	£2.40	£9.60
TOTAL		£120.00	£24.00	£96.00

Annual Carbon Dioxide Emissions from non-LED bulbs

Room / Area	Current Emissions (kg)	Emissions after Recommended Bulb Changes (kg)	CO2 Reduction (kg)
LIVING ROOM	120	24	96
KITCHEN	120	24	96
BEDROOM 1	120	24	96
BEDROOM 2	120	24	96
BATHROOM	120	24	96
HALLWAY	120	24	96
TOILET	120	24	96
STAIRS	120	24	96
OUTSIDE	120	24	96
TOTAL	1200	240	960

Follow up visit

We may need to make a second visit to replace some bulbs.

Waste Bulbs

- We can take all waste bulbs away for safe disposal.
- OR, you may wish to keep some bulbs to use as a backup. In this case, we will put the old bulb in a box with a label stating the type of bulb and what fitting it is for.

