Domestic Energy Efficiency, Projects & Cost of Living Support



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1. Energy Efficiency Improvement Schemes



Energy Company Obligation (ECO) 4

- ECO 4 is the fourth stage of the governments Energy Company
 Obligation scheme. As part of its Sustainable Warmth strategy, the
 government has extended the ECO grant for an extra four years, meaning
 it will run until March 2026.
- The scheme fully funds the implementation of wall insulation, loft insulation, lighting, clean heating and various other energy efficiency improvements. Otherwise known as a 'full house retrofit'.
- ECO 4 aims to support the least energy efficient homes in England & Wales, with a focus on low-income and vulnerable households.





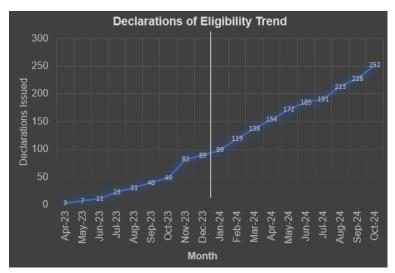
Energy Company Obligation (ECO) 4 – Flexible Eligibility

- The flexible eligibility mechanism within ECO 4 enables local authorities to issue declarations of eligibility to households across the borough.
- The Borough Council of King's Lynn & West Norfolk published its Statement of Intent (SOI) on 27/02/2023 outlining the qualification routes for applicants.
- These routes are as follows:
- 1. Annual income below £31,000 per annum.
- 2. Households in receipt of certain benefits/proxies.
- 3. NHS professional & GP referrals (following the council identifying a link between certain health conditions and cold homes).
- 4. Bespoke Targeting.

*Our full SOI can be found through the following - <u>Statement of</u> <u>Intent (SOI).pdf</u>



Energy Company Obligation (ECO) 4 – Flexible Eligibility



- Since our Statement of Intent (SOI) went live on 27/02/2023, Housing Standards has issued 252 declarations of eligibility to households across the borough.
- To put this into perspective, only 8 declarations were issued throughout the entirety of ECO 3, so this is a massive improvement.
- A declaration enables a household to access funding for a full house retrofit in accordance with the PAS 2035 regulations.





Energy Company Obligation (ECO) Flexible Eligibility Declarations - Google My Maps

EPC Improvements

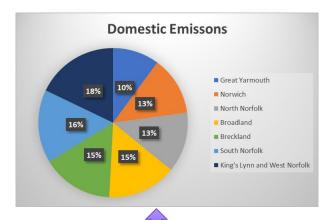


Of the 252 declarations issued through ECO Flex, 114 households have received full house retrofits and as a result the SAP ratings of the dwellings have increased to C or above.





Domestic Carbon Emissions



- In 2022, the Department for Business, Energy & Industrial Strategy (BEIS) published the Norfolk Territorial Emissions profiling the areas of emissions across the county.
- King's Lynn & West Norfolk is currently the highest emitter of domestic CO2 across Norfolk.
- BEIS publishes updated statistics every 2 years.

- Whilst the improvement of EPC's across the borough is Housing Standards primary concern, the reduction of CO2 following a full house retrofit is a significant bi-product worth highlighting.
- Using RdSAP data, we have been able to determine the tonnage of CO2 emitted per annum before the full house retrofit and the tonnage per annum after the full house retrofit.
- In total, 623 tonnes of CO2 has been saved per annum!
- This is equivalent to the emissions from:
- 63,596 gallons of petrol consumed
- 622,867 pounds of coal burned
- 1,309 barrels of oil consumed
- 37,311,050 number of smartphones charged



The improvements made through ECO Flex are playing a pivotal part in ensuring that domestic emissions are being reduced across the borough.



Great British Insulation Scheme (GBIS)

- The Borough Council responded to Ofgem's consultation for GBIS on 5th April 2023, expressing a desire to participate in GBIS.
- GBIS, formally known as ECO + will draw money from the ECO 4
 pot and provide singular retrofit improvements to households within
 Council Tax Bands A-D that have an EPC between D-G.
- Applications are now open for GBIS and the Borough Council published its Statement of Intent for this scheme on 25/09/2023.

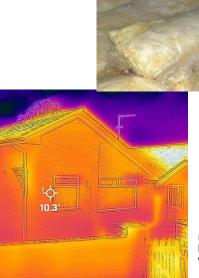
Property in King's Lynn.

Gas central heating with no cavity wall or loft insulation.

The lighter colours indicate that a lot of heat is escaping through the poorly insulated walls.

The walls are now much darker in colour, showing the external wall is colder meaning that less heat is escaping out into the atmosphere.

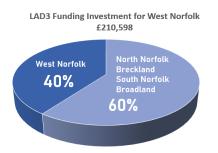
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Local Authority Delivery (LAD) 3 – Final Report

- LAD 3 commenced in April 2021 and enabled households on the gas network to access singular retrofit improvements.
- These improvements typically included loft, cavity and flat roof insulation.
- The Borough Council of King's Lynn & West Norfolk, along with three other local authorities delivered the initiative through the Norfolk Warm Homes consortium, headed up by Broadland & South Norfolk District Council.
- LAD 3 officially closed for applications on 31/03/2023 and we're now able to assess our performance.



- Our performance exceeded all expectations!
- £210,598 was obtained through LAD 3 and spent to improve the energy efficiency of 24 properties in King's Lynn & West Norfolk.
- This equates to 40% of the countywide allocation, making us the leading authority across the county.

	<u>Funding</u>	<u>Properties</u>
<u>Wave</u>	<u>Obtained</u>	<u>Improved</u>
Wave 2	£29,107	3
Wave 3	£210,598	24
	£181,491	<mark>21</mark>



Home Upgrade Grant (HUG) 2

Home Upgrade Grant (HUG)		
<u>Wave</u>	Funding Obtained	Properties Improved
Wave 1	£155,279.18	13
Wave 2	£408,585.29	18
	£253,306.11	<mark>5</mark>

- HUG 2 is being delivered through the Norfolk Warm Homes team which is a consortium made up of the local authorities from across the county.
 - Similarly to ECO 4, HUG 2 accommodates full house retrofits.
 - Properties must be off the gas network.
- £408,585.29 worth of funding has been obtained so far!

- The total spend of LAD 3 has already been surpassed by the current spend of HUG 2.
- HUG 2 will be running until March 2025 so we fully expect this figure to increase even further.



Social Housing Decarbonisation Fund (SHDF) 2.1

- Freebridge have been busy implementing the 2nd wave of the Social Housing Decarbonisation Fund (SHDF) across it's housing stock.
- 124 retrofit measures have been installed across Freebridge's stock.
- Not only are air source heat pumps being installed, Solar PV is being implemented where appropriate. 59 PV installations have been completed so far.
- Housing Standards will continue to liaise with Freebridge Community Housing throughout the duration of this scheme.



Post EPC's completed to date (24/09/24)	Property EPC Rating Before improvement works		Property EPC Rating After improvement works	
39	EPC D	EPC E	EPC B	EPC C
	22	17	20	19

No Properties	Carbon Emissions Before (tonnes CO2)	Carbon Emissions After (tonnes CO2)	Total Carbon Emission Reduction (tonnes CO2)	Average Reduction per property (tonnes CO2)
39	179	57	<u>122</u>	<u>3</u>





Energy Company Obligation (ECO) 4 - Flexible Eligibility

ECO Flexible Eligibility Case Study

This study relates to a 3-bedroom detached bungalow in Hilgay which had a very old and inefficient oil boiler. In addition to this, damp and cold spots were also present throughout the The occupants explained that they 'originally

looked at Solar Together" in 2022 and stumbled across the ECO Flexible Eligibility scheme on the "We contacted our installers who were very nice

& friendly and confirmed that they were able to carry out improvements through ECO Flex* As part of the application process. Housing Standards ensured that the installers were TrustMark registered, whilst making sure that the household can qualify through the routes outlined in the borough council's Statement of Intent. One of the occupants has a cardiovascular con which enabled their GP to issue a referral letter to Housing Standards, who then qualified the

Following a Retrofit Assessment being conducted, plans were put in place for the installation of cavity wall insulation, solar panels and an air source heat pump. The subsequent survey carried out by the installers priced the works at £16,000, which is fully covered through the ECO



Now that the air source heat numn, solar panels and cavity wall insulation have been installed, the energy performance certificate has increased from F to B

"Everything progressed so

quickly... fully-funded home

improvements seems too

good to be true"

The occupants explained how they "couldn't

"proactive" with regards to communication

and providing "reassurance throughout the

When asked if they would recommend the

scheme, the occupants enthusiastically responded with "yes, fully funded improvements

are the way forwards".

fault the installation" and the installer was very

On average a household will produce 6 tonnes of CO2 a year, however prior to the improvements, this bungalow was producing 9 tonnes of CO2 a year. The bungalow now only duces 1.6 tonnes of CO2

Going 'green' together

West Norfolk Council's Philippa Sillis tells us about the community who joined forces to together save thousands on their energy bills





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cortain criteria. coccumitances) purp. hosting your home using The programment has set its Broadly, the scheme # Energy generation: environmentally-friendly





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Great British Insulation Scheme (GBIS)

GBIS Case Study

This study relates to a 1-bedroom detached bungalow in King's Lynn which had little to no insulation in the loft space & walls. In addition to this, damp and mould was also present throughout the property due to the lack of heat retention Following attendance at a Beat Your Bills event towards the end of 2023, the elderly occupant contacted Housing Standards in January 2024

to enquire about the possibility of improving the "My loft has no insulation at all and I'm finding the heating

makes no difference to the bungalow, I'm told my heat is going through the roof."

The bungalow had an EPC of E and sits within Council Tax band B, making it automatically eligible for GBIS. GBIS enables a household to access singular retrofit improvements such as loft and cavity wall insulation, making it the most practical scheme to improve the condition of the property. Housing Standards directed the applicant to the TrustMark register to select an installer to conduct the works, whilst also providing them with 20 metres of draughtproofing tape, a referral to the revenues combatting damp & mould in the property.

The issues at the property were clearly outlined following a survey conducted by the installers:



scale of heat loss at the property. The bright colours indicate that a lot of heat is being lost through

The installation of the cavity wall insulation took place towards the end of March 2024 and the loft insulation shortly after in April 2024.

Housing Standards conducted a routine visit following the installation of the measures installed to see the



installation of cavity wall insulation has made. The walls are much darke walls are now colder and significantly

Housing Standards shared the post completion imaging with the occupant to which they responded *OMG Wow! No wonder I was cold. Thank you so much for all your

help, much appreciated." Now that the loft and cavity wall insulation has been installed, the Energy Performance Certificate has



Prior to these improvements, the property was producing 5.3 tonnes of CO2 a year. The bungalow now only produces 2.7 tonnes a year.



Norfolk Warm Homes Sustainable Warmth Grant Case Study

Case Study- Air source Heat Pump

Mr D- Kings Lynn and West Norfolk

Mr D lives in a three bedroom detached bungalow in Kings Lynn which ha a very old and inefficient oil back boiler. Having been advised from his heating engineer that "it was hard to get parts for and that the boiler may not last through the next winter". Mr D started to look at his options.

Mr D explained that his "son told me about the Norfolk Warm Homes project that he had seen online to help install insulation and renewable neating, so I looked into it and to my surprise I was eligible for funding as have a low income of less than £30,000°

7 applied and just weeks later I had an oil leak from the old back boiler which meant it was poing to have to be replaced, costing me thousands of pounds so when the Warm Homes Team said they could fully fund an air source heat pump I jumped at the opportunity

As part of the application process, the Norfolk Warm Homes Team arranged for their vetted contractors to assess Mr D's property: "I didn't have a clue what energy rating my property would be as I have been here since the 70's so when the assessor came around I was glad to hear it was well insulated with cavity wall and loft insulation. Having also upgraded my windows to double glazing some time ago, the heating engineer that visited said that my property would be very suitable for an air source heat pump".

Homes for review, Mr D received an approval, awarding a £9,380 grant to cover the complete cost of works. Mr D has now had his air source heat pump since November and says that "I no longer have to worry about emembering to save up and order heating oil as the air source heat pump uses electricity so it is just the one monthly bill now, and I have a lovely new heating system to keep me warm. I even turned down the thermostat after





Now that the air source heat pump has been installed, the energy performance certificate rating (EPC) has increased from E to C. Because air source heat pumps are a sustainable heating type, Mr D's property now saves 3.4 tonnes of carbon dioxide per













To find out if you're eligible for fully-funded home improvements to get advice, please confact Housing Standards at housing standards at housing standards@weist-norfolk.gov.uk or call 01563 616227

Reporting on Improvements

- Monthly domestic energy updates to all Councillors & Staff.
- Community Events.
- Publicly accessible updates to the energy efficiency improvements webpage.



Upcoming – Warm Homes: Local Fund

- Warm Homes: Local Fund has been announced!
- Expected to be delivered from 2025-2028.
- Similarly to previous waves of HUG & LAD, the scheme will provide energy efficiency improvements to owner occupied and privately rented dwellings.
- Whereas LAD funding was aimed at properties on the gas network and HUG was aimed at properties off the gas network, WHLF will replace both schemes and deliver to all properties regardless of the heating systems in place.
- We expect the eligibility criteria to remain the same encompassing low income and vulnerable occupants, but this is yet to be confirmed.
- Further updates will be provided in due course.





Social Housing Fund (SHF) 3

- The third wave of the SHDF has been announced, through which DESNZ proposes to allocate £1.21 billion to social housing providers across England.
- SHF is expected to be delivered from 2025-2027.
- Similarly to previous waves of SHDF, the third wave of the fund will once again accommodate full house retrofits across social housing stock.
- Housing Standards will once again liaise with Freebridge Community Housing, Flagship Homes and Broadland Housing Group throughout the course of the third wave to advise where appropriate and report on the works being carried out.
- Further updates will be provided in due course.





Energy Company Obligation (ECO) 5

- The current wave of ECO is set to conclude in March 2026.
- ECO 5 will most likely run straight after ECO 4 until 2030.
- Nothing concrete has been confirmed on ECO 5 yet, however Housing Standards will monitor the situation and provide updates accordingly.





2. Projects



Integrated Care Board (ICB) – Working Together

- Our Statement of Intent (SOI) for ECO Flex enables us to qualify households containing an occupant that suffers from long term medical conditions.
- Housing Standards has been working with the Integrated Care Board (ICB) to establish a partnership through which we can improve the standard of housing for our most vulnerable residents.
- The idea is to establish a data sharing agreement with the NHS, which enables us to identify households containing an occupant suffering with one of the qualifying conditions.
- No personal details will be shared, just addresses provided by the ICB which we can then send a letter notifying them of the opportunities available.
- This project between two public sector organisations will increase the
 declarations of eligibility issued by the borough council and most importantly
 improve the lives of the most vulnerable residents of the borough.











East Winch – Case Study





Going 'green' together



West Norfolk Council's Philippa Sillis tells us about the community



East Winch is an energy efficiency hotspot.

15 properties on Wilson Drive & Lancaster Way have received full house retrofits through ECO Flex.

Housing Standards will continually monitor the progress of works completed in East Winch to serve as an excellent example of a community taking advantage of fully funded energy efficiency improvements.



Net Zero Communities – Marshland St James & Beyond





King's Lynn

West Nor

- Net Zero Communities is a Norfolk Climate Change Partnership (NCCP) initiative, using £300,000 of government funding to support one community in each of the seven Norfolk districts, engaging with householders and local community organisations to explore ways to decarbonise homes and travel to help tackle climate change in a two-year pilot project.
- The project officially commenced on Monday 12th February 2024 and a Beat Your Bills event was hosted at the village hall to herald in the initiative.
- Housing Standards & Lily will continue to support Environmental Quality to deliver this project.

Borough Council & College of West Anglia

- The UK is in a race to decarbonise it's operations by 2050, however the demand for sustainability expertise is outpacing the supply for talent. This shortage has been coined as the 'green skills gap'.
- It is vital that the 'green skills gap' is addressed across the UK and the College of West Anglia are proactively working with local communities & employers to help fill this skills gap.
- Housing Standards has been liaising with the Business Engagement team at CWA to establish ways in which we can work together moving forwards.
- This partnership could be pivotal in upskilling the next generation to achieve our net zero targets whilst also contributing to the local economy, by ensuring that grant funding is being obtained and delivered by local installers.



Representatives from Housing Standards, Lily, Environmental Quality & Waste Management will all be in attendance at this event.





3. Cost of Living & Fuel Poverty Support



Beat Your Bills & Community Engagement













 Following on from 21 successful events in 2023, Housing Standards, Community Action Norfolk & Lily have carried 22 events so far in 2024.

(Beat Your Bills provides free, expert energy efficiency, utility and cost of living support)



- Hunstanton Town Hall (Indoor Market) 22/10/2024 10:00-14:00
- Downham Market (Marketplace) 25/10/2024 09:00-14:00
- Thornham Village Hall (Soup & Sandwich) 05/11/2024 11:00-14:00

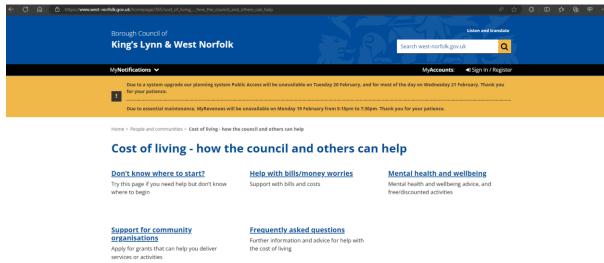
The Cost-of-Living Working Group will be planning events throughout the winter months.



Cost of Living Working Group

- Since October 2022, colleagues from across various departments in the borough council have been holding fortnightly Cost of Living Group meetings.
- The aim of these meetings is to strategise ways in which we can address the everconcerning cost of living crisis.
- Departments include Housing Standards, Lily, Council Tax, Customer Information Centre and others.
- The following link provides valuable information to residents struggling with the cost of living:

Cost of living - how the council and others can help | Borough Council of King's Lynn & West Norfolk (west-norfolk.gov.uk)





Food For Thought

- Food For Thought is a series of home cooking events run by the Lily team, providing real world healthy cooking and eating advice.
- Between September and December, there will be 12
 weekly demonstrations covering nutrition, shopping
 on a budget, cooking for one & special diets, making
 home cooking cheaper and easier.
- The sessions are fun, free to attend, and all the recipes used can be accessed on the Lily website.







Lily Directory

LILY (asklily.org.uk)

Welcome to the Lily Directory

Search for Local, west Norfolk, Activities, Services and Organisations. Find out more about Lily Here!









Things to do



Housing and care homes



Transport and getting around



Learning, work and volunteering



Health, care and support



Money matters



Green choices



Advice, safety & other information



Childcare and family support



Thank you!

Questions?

