




Friday 24 April 2026
Welcome to the Climate Forum




www.broxtowe.gov.uk

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Climate Change and Green Futures
Broxtowe Borough Council's journey to carbon neutrality

Cllr Helen Skinner – Portfolio Holder for Environment and Climate Change




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Presentation outline

1. Introduction to the Council's approach to reducing carbon emissions
2. Impact of actions to date
3. Carbon footprint 2024/25
4. Borough emissions
5. Stakeholders
6. Engagement opportunities 2026/27




Environment

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Carbon Neutral 2027

- 'Climate Change Emergency' declared 17 July 2019
- Reduce own operational emissions to as close to zero as possible by 31 December 2027
- There are **616** days to go
- Climate Change and Green Futures Strategy 2023-2027
- Carbon Management Action Plan 2025/26



Environment

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Key Strategic Themes



Climate Strategy



Recycling and Resources



Built Environment



Transport and Travel



Communications



Natural Environment



Business and Supply Chain



Energy and Water




Communities



Core Strategy and Planning


Environment

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Efforts pre-2019

- 2008: Tree planting initiative launched to plant 100,000 trees
- 2009: Council's first Carbon Management Plan created
- 2010: First carbon footprint calculated at **4,242 tCO₂e**
- 2010: Server virtualisation project completed making 52/74 servers virtualised
- 2012: Printer estate reduced from 76 to 26 multi functional devices
- 2014: Solar panels installed on roof of Council Offices



- 2014/15: 100,000 trees planted across the Borough
- 2015: Green Infrastructure Strategy created
- 2016: LED lighting installed at the Council Offices
- 2017: Pride in Parks programme adopted along with Play Strategy
- 2018: Tree Strategy adopted. Community clean teams and engagement with infant schools introduced
- 2019: First two EVs procured as part of the fleet and 28 EV charge points installed across the Borough



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Efforts post 2019

2019: 500 free fruit trees giveaway and introduction of pocket orchards

2020: Climate Change Strategy adopted, refreshed Carbon Management Plan

2020: Combined Heat and Power (CHP) installed at Bramcote Leisure Centre

2020: Carbon emissions rebased lined at **3,730 tCO₂e**



2020: **315 tCO₂e** saved via £900,000 investment in heating system replacement across 285 houses

2021: First Green Festival. 2021/22 carbon emissions calculated at **3,099 tCO₂e**

2022: EV fleet increased to nine
First Green Rewards Ward winner project completed
Energy efficiency measures delivered to 158 council/leased homes

2023: Tree Strategy approved. Hydro Treated Vegetable Oil (HVO) transition approved

2024: Electric Vehicle Infrastructure Strategy adopted

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Climate Change actions 2024/25



Environment

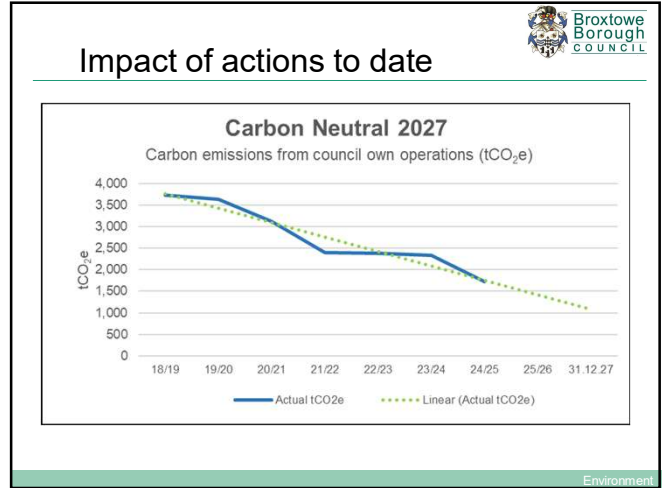
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Climate Change 2025/26 actions

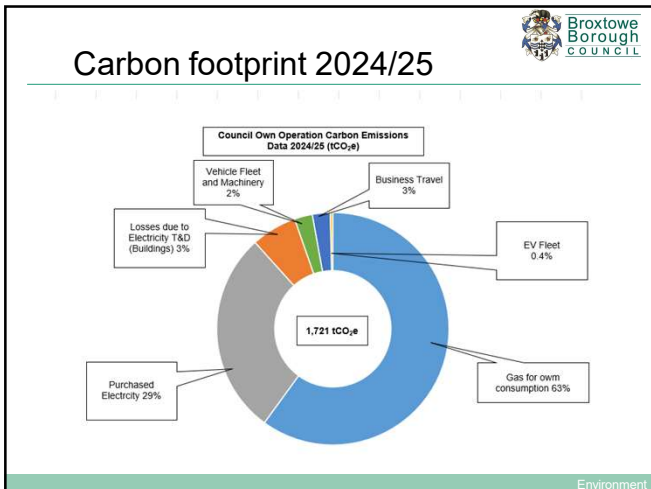


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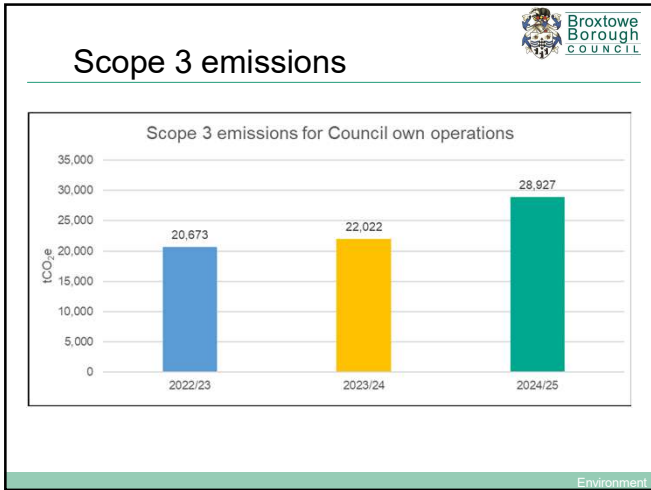
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2023/24 vs 2024/25

Emission	tCO ₂ e		
	2023/24	2024/25	Difference %
Gas for own consumption	1,014	1,033	2 ↑
Vehicle Fleet and Machinery	812	109	-87 ↓
Purchased Electricity	426	487	14 ↑
EV fleet	5	6	20 ↑
Business travel	43	43	0
Losses due to Electricity T&D (Buildings)	37	43	16 ↑
Total	2,337	1,721	-26.4 ↓

Environment

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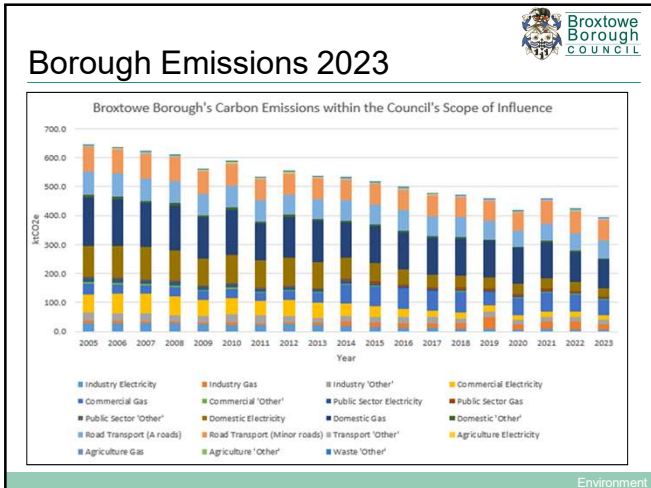


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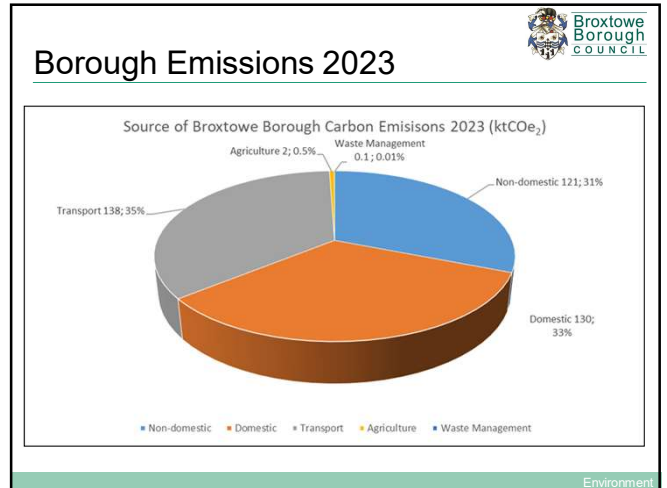
Scope 3 emissions

	2023/24	2024/25	% Difference
Water	4.6	5.7	23.1% ↑
PG&S	6,161.9	12,666.1	105.6% ↑
Commuting	234.3	235.6	0.6% ↑
Business Travel	54.1	53.9	-0.4% ↓
Leased Buildings	15,537.8	15,549.7	0.1% ↑
Waste	7.2	2.6	-64.3% ↓
WFH	22.0	22.0	0.0%

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Stakeholders

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Engagement Opportunities 2026/27

- 14 May - Solar Panels Explained The Venue at Eastwood, Chewton Street
- 6 June - Hemlock Happening – Green Zone, Bramcote Hills Park
- 20 June – Whole House Retrofit Party, Temple Community Centre, Nuthall
- Date TBC - Nature Discovery Day
- Dates TBC - Bulky Waste Days
- 19 September – Green Festival, Coronation Park, Eastwood
- All year - Green Rewards
- All year - Litter picking events

National Emergency Briefing – Film released on 7 April
 Screenings across the UK: www.nebriefing.org/screening-map

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Thank you for listening

www.broxtowe.gov.uk/for-you/climate-change/



Climate Change
& Green Futures

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Nottinghamshire
Wildlife Trust

Responding to the climate and
ecological crises



Protecting wildlife for the future

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Nottinghamshire
Wildlife Trust

Our vision
... is for people to be inspired and empowered to take action for nature and the climate, to create a better recovery network that addresses the ecological and climate emergencies.

Our purpose
... is to bring about a wilder Nottinghamshire where people and wildlife thrive together.

We believe...

- The natural world is valuable in its own right and is under threat.
- People are part of the natural world and we depend upon it for our wellbeing.
- Everyone should have the opportunity to live in a healthy, wildlife-rich natural world.
- It is vital that we work with other stakeholders all have the power to make a positive impact on the ecological and climate emergencies.

Our delivery
We will deliver our strategy by:

1. Doing it ourselves
2. Guiding and supporting
3. Inspiring and empowering

Our programmes
We will organise our activity into:

1. Nature Lives
2. Wilder Places
3. Thriving Together

Our goals
Our strategy has three ambitious, overarching and interconnected goals:

1. A movement for nature
2. More space for nature
3. We are thriving



Protecting wildlife for the future

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Nottinghamshire
Wildlife Trust

Climate & Nature
– inextricably linked



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Climate Impacts

Flooding Drought stress Heatwaves

Species loss Invasive species



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Nottinghamshire
Wildlife Trust

A living laboratory for
highlighting & tackling
global environmental issues
championing local action



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Climate & Nature – Natural Solutions



- Nature 1st Development
- Natural Flood Management
- Nature Friendly Farming
- Helping nature help itself



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Healthy environments, healthy people



Protecting wildlife for the future

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Connect | Advocate | Inspire | Enable



Wilderness LIVES
= people taking action

People value, and feel connected to nature, are collaborating to take action for nature and are leading action for nature in their own communities.



- **Connect.** Help people reconnect with nature for wellbeing.
- **Advocate.** Champion nature with decision makers.
- **Inspire.** Share the wonders of the natural world.
- **Enable.** Support communities to take action.

Act!

A growing movement of people are taking action for nature and climate, resulting in better decision making for the environment and a society where nature matters



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Climate / eco-anxiety

51% agreed with the statement “humanity is doomed” when asked about climate change

28% trust government when it comes to the planet

“Mental health experts recognise that climate change can trigger a psychological response” (Natural History Museum)



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Nature connection for personal wellbeing



NEW!



Starting Tuesday 13th May!

#Wellbeing Walking Group

Attenborough Nature Reserve, Nottingham
Every Tuesday
10:30AM - 11:45AM

- Meeting point: Outside of the nature centre by the picnic benches
- Free to attend – just bring yourself!

www.nottinghamshiremind.org.uk
enquiries@nottinghamshiremind.org.uk | 0800 470 0203



Over 100 walks and over 2000 walkers (ANR and IVNR) to date



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Action for nature – youth programme



“without Keeping it Wild I would’ve never studied Ecology at University”

“My proudest moment is actually doing something for the environment, if we don’t protect it who will?”

“It makes me feel like I’m actually making a small difference in a world that is threatened by so many things like climate change which sometimes makes me feel helpless”

“We’re a group of 16-25 year olds... we can point to real differences we’ve made and show that anyone can help nature if they want change”



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Action for nature – connecting, celebrating and championing community-led initiatives

WILDCARD EXCHANGES
a quarterly networking event for local community groups, volunteers, and individuals passionate about conservation

Activities include:

- Planting native trees and shrubs
- Wildlife photography
- Local history talks
- Wildlife art and crafts
- Local history walks
- Wildlife art and crafts
- Local history walks

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Broxtowe Borough Council's Climate Forum

Purpose
What is in a name: Net Zero & Climate Change
What is Resilience
EMCCA – Climate Resilience and Green Growth
Local Area Energy Planning

CLAIRE WARD
MAYOR OF THE EAST MIDLANDS
East Midlands Combined County Authority

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What is in a name: Net Zero & Climate Change

- Net Zero and Climate Change have become political hot potato terms resulting in polarised views and a plethora of disinformation.
- In an era of energy crisis, fuel poverty and increasing numbers and scale of environmental disasters we need to really focus on the numerous co-benefits i.e. Economic Growth, Public Health, Energy Security, Nature Recovery, Flood Mitigation.
- We need to demonstrate how actions / activity have a material and positive impact on people's lives and future prospects for the next generation.

Net Zero

- The UK is committed to reaching net zero by 2050. This means that the total greenhouse gas emissions would be equal to the emissions removed from the atmosphere.
- The total additional cost of a single fossil fuel price spike of 2022 magnitude is likely to be as large as the total net additional cost of meeting the pathway to Net Zero across every year to 2050.

Climate Change

- The Midlands is experiencing wetter winters, drier summers, increased heat-related deaths, a five-fold increase in floods since 2000, damage to local infrastructure, drops in crop yields and economic impacts.
- During the 20th century average annual temperatures increased by 0.6C in the West Midlands and 0.5C or more in the East Midlands.
- The 2020 heatwaves led to 2,558 excess all-cause deaths across England, the highest mortality since the introduction of the Heatwave Plan for England in 2004, with significant mortality occurring during heat events in the Midlands.

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What is Resilience

The capacity of social, economic and ecosystems to cope with a hazardous event or trend or disturbance

Adaptation: Action to manage the risks of climate change impacts. Includes: Emergency management & business continuity, Flood protection, Infrastructure hardening and building design.

Mitigation: Action to reduce emissions that accelerate climate change. Includes: Sustainable transportation, Renewable energy, Energy efficient technology, Water and energy conservation, Solar + storage.

Social Foundations: Adapted from UN Sustainable Development Goals. Includes: Social Equity, Gender Equality, Peace & Justice, Political Voice, Education, Health, Income & Work, Networks, Energy, Housing, Food Security, Water.

Primary Needs: Housing, Energy, Water, Food Security.

Source: Adapted from Khan, Rashid and Koc, actions contributing to climate change mitigation and adaptation

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EMCCA – Climate Resilience and Green Growth

Green Growth Pillars: Infrastructure, Strategic, Project Delivery.

Climate Resilience Pillars: People & Nature, Strategy & Skills.

What have we done / are doing:

- Devoled Retrofit – completed - 837 compliant measures
- Local Authority Retrofit Accelerator – Launched & Adopted
- Bidding for £500,000 from MCS Foundation for next steps
- Local Area Energy Planning / Digital Twin – nearing conclusion
- AI Growth Zone Proposals x 2
- SMR potential
- Mayoral Renewable Fund – 2 projects totalling 3.5MW of solar underway
- Mod with GB Energy
- CEF proposal
- Transitional – Regional energy system planning
- Midlands Net Zero Hub Board
- Approved Community Energy Funding £350k (25/26)
- Approved Nuclear Supply Chain Funding £50k

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What is a LAEP?

EMCCA is delivering:

- England's largest Local Area Energy Plan – eight sub-regional LAEPs and one aggregated EMCCA-wide LAEP.
- A Digital Twin enabling non-expert analysis of energy across the region.
- A LAEP identifies the most cost-effective, efficient and locally appropriate route to deliver the energy transition in a place.
- LAEP's focus on the 82% of UK emissions that are within local authority influence:
 - Homes and non-domestic buildings
 - Road transport & charging infrastructure
 - Local generation (e.g. rooftop solar)
 - Decarbonisation choices facing local industry connecting into local networks.
- The LAEP scenario models three pathways:
 - Do Nothing – continuation of existing policy commitments only.
 - 2040 Accelerated Pathway – regionally ambitious trajectory reflecting EMCCA's vision
 - 2050 Net Zero pathway – aligned with national policy timelines.

LAEPs across England and Wales
Source: tRESP 2026

Local Authority LAEP/ LHEES Status:
 In Development (Blue)
 Not (Green)
 Phase 1 Complete (Yellow)
 Phase 2 In Progress (Red)

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Scale of the LAEP is HUGE

Public sector doesn't have budget to deliver across all recommendations

Example: Gedling | Broxtowe | Rushcliffe LAEP

In just GBR alone, full delivery of LAEP would mean...

Retrofit Installations	Light Retrofit= 59,000 homes Deep Retrofit= 65,000 homes
Heat Pump Installations	9,000 gas boiler replacements required each year until 2050
Heat Network	X3 emerging heat network developments.
EV Chargers	129,000 chargers by 2050
Solar PV Installation	Additional 382 GWh of solar generation – equivalent to about 1m more panels.
Additional Capital Expenditure:	2040 scenario= £4.9bn 2050 scenario= £4.4bn <i>Highest additional cost: deep fabric retrofit (£2.4bn)</i>
Economic Benefits:	Carbon savings= £2.2bn Air quality improvements= £23m Bill reductions= £924m Local Economic Activity= £2.8bn <i>Greatest benefit: domestic solar PV (£581m energy bill savings)</i>

Figure 6.16: Annual uptake of deep retrofit required for 2050 scenario

	2040	2050
Light fabric retrofits	440	409
Deep fabric retrofits	2,402	2,163
Domestic solar PV	571	571
Non-domestic solar PV	222	222
Domestic air source heat pumps	597	463
Non-domestic air source heat pumps	303	251
EV charging (incl. vehicle benefits)	351	300
Total	4,884	4,379

CAPEX (£/m²)

- Valuation of carbon impacts (non-cash)
- Impact on bills (£/a/h)
- Improvement in air quality (non-cash)
- Valuation of economic contribution (non-cash)

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What should the public sector prioritize?

The LAEP provides a suggested prioritization pathway

Example: Gedling | Broxtowe | Rushcliffe LAEP

- Each LAEP has developed a proposed 'delivery sequence' timeline, phased to prioritise 'quick wins' and 'low regret' measures based on evaluation of eight key criteria.
- Quick wins identified for GBR:
 - Deep retrofit of social housing across public estates
 - Deploy rooftop solar on municipal buildings and schools
 - Rollout public EV charging in high-demand zones
 - Assess district heating networks in high heat-density clusters.
- 'Focus Zones' also identified to highlight where interventions are likely to have most impact.

Figure 13.3: % of households below EPC Band C by MSOA

Figure 13.1: Delivery sequence for GBR's net zero interventions

Criteria	What it measures
Carbon impact	What will achieve the greatest emission reductions.
Cost effectiveness (whole life cost)	Either in terms of £ per decarbonisation or £ per energy costs reduced.
Deliverability/Readiness	Projects which are consented, where supply chains are ready, where installation is straightforward
Network Impact & Grid Readiness	Areas with electricity headroom which don't require grid reinforcement
Equity/Fuel Poverty	Measures which target fuel-poor households
Local economic & health benefits	Job creation, reduced hospital admissions, local supply chain value
Risk & Uncertainty	Technology maturity, future proofing, reversibility
Investability and/or Funding Availability	Projects which are attractive to private finance or have clear routes for public funding

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Thank you

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MAYOR OF THE EAST MIDLANDS

East Midlands Combined County Authority

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Making your Carbon Journey Happen

Nottingham Energy Partnership

By Augusta Moore

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Who are Nottingham Energy Partnership (NEP)?

We are a climate change and fuel poverty charity providing home improvement measures to improve the energy efficiency of homes throughout Nottinghamshire and wider region.

Our interventions reduce carbon emissions and make homes cheaper to run. We strive to provide peace of mind for our clients, making homes more resilient and less reliant on fossil fuels.

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Support in Broxtowe


NEP have been working with **Broxtowe Borough Council** to support ALL residents with the current and ongoing energy crisis.


- Free insulation such as Loft and Cavity/ Solid Wall Insulation.
- Free renewable energy systems such as Solar PV and Air Source Heat Pumps
- Future Fit Home Energy Plans
- Ask the Expert Workshops and Events

Additionally, we advise residents on ways to help themselves **save money on their energy bills**, get extra support during power cuts by signing up to the **Priority Services Register**, as well as getting up to a 70% reduction on their **water bills with Severn Trent**.


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Fuel Poverty – Installs in Broxtowe







Households Installed - 303



Measures Installed - 394

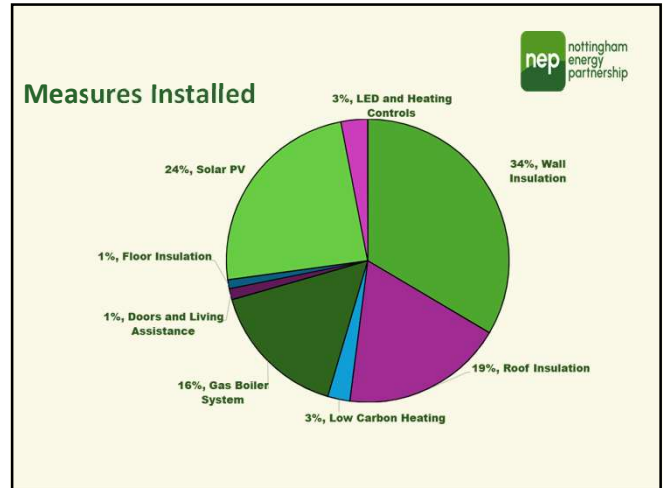


Total Value of Savings - £3,198,867




Average Value of Savings per Household £10,557


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Current Schemes in Broxtowe





Warm Homes Local Grant:
The aim of the scheme is to provide **FREE** grants of energy performance upgrades and low carbon heating to **low-income households living in the worst quality.**

Loft insulation, Cavity wall insulation, Internal and External wall insulation, High Retention Storage Heaters, Solar PV, Air Source Heat Pumps

Eligibility:

- Own and live in your home or be privately renting.
- Energy Performance Certificate D-G rated AND
- Household income under £36,000 (or)
- Be on Means-Tested Benefits

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Additional Services in Broxtowe





National Grid's Priority Services Register
Support during a power cut



Food Bank Vouchers
Packages from nearby food banks



Boiler Health Checks, Replacements and Repairs



Severn Trent Water Bill Discount
Up to 70% off (about £300)




Fuel Bank Vouchers
Reduction from fuel bills



Energy Saving/Advice Tips

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Low Carbon Homes




Home Energy Advice Team (HEAT) HUB:
FREE independent **in-person** expert advice service to help homeowners understand the steps to improving the thermal efficiency of their home with the install of energy saving measures.

In-Person Services Included:


- Home Energy Efficiency Events
- Ask the Expert Series of Technology Workshops (solar, insulation, heat pumps etc.)
- Retrofit Assessments and Future Fit Home Energy Plans
- Consultation


Over **2000 people** attended these workshops, **538 households** had a Retrofit Assessment and Future Fit Home Plan



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The HEAT Hub is Coming to Broxtowe







Solar Panels Explained
Thursday 14th May 6:30pm-8:30pm
Location: The Venue at Eastwood, Chewton Street, Eastwood. NG16 3HB


Whole House Retrofit Party
Saturday 20th June 10am-12pm
Location: Nuthall Temple Community Centre, 44 Nottingham Road, Nuthall. NG16 1DP

Two FREE events offering tailored advice on low-carbon technologies; solar, heat pumps, insulation with local installers, retrofit experts and local case studies

To reserve your free space
Visit www.bit.ly/heathubevents or
Call on 0115 985 3000

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Breakout session

Have your say on the Climate Change and Green Futures Strategy

For your Theme, please discuss and answer the following:

1. Thinking about this theme, what is the ONE thing the Council should prioritise to make the biggest difference? (7 mins)
2. How would this make life better for residents in practice? (4-5 mins)
3. What might help or hinder making this happen? (3 mins)

Please use the flip paper provided and nominate a spokesperson to briefly feedback to the group.

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