



#OurNorth

NET ZERO

July 13th 2020, 1:00PM | Online Event



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#OurNorth





CHAIR: TRACY HARRISON

CHIEF EXECUTIVE, NORTHERN
HOUSING CONSORTIUM





MATTHEW PHILLIPS

TEAM LEAD, GLOBAL CLIMATE
ACTION, UNFCCC

#OurNorth
NET ZERO

**RACING FOR
A HEALTHY
RECOVERY**

RACE TO ZERO

What is Race to Zero?

A global campaign to rally leadership and support from businesses, cities, regions, investors for a **healthy, resilient, zero carbon recovery** that prevents future threats, creates decent jobs, and unlocks inclusive, sustainable growth.

All members are committed to the same overarching goal: achieving **net zero emissions by 2050** at the very latest.



Led by the High-Level Climate Champions for Climate Action – [Nigel Topping and Gonzalo Muñoz](#) – Race To Zero mobilizes actors outside of national governments to join the [Climate Ambition Alliance](#), which was launched at the UNSG’s Climate Action Summit 2019 by the President of Chile, Sebastián Piñera.

The objective is to **build momentum** around the shift to a decarbonized economy ahead of COP26, where governments must strengthen their contributions to the Paris Agreement. This will send governments a **resounding signal** that business, cities, regions and investors are **united** in meeting the Paris goals and creating a more **inclusive and resilient economy**.

449

Cities

21

Regions

995

Businesses

38

Investors

505

Universities

Who's in the Race to Zero?

Members of Race to Zero join 120 countries in the Climate Ambition Alliance, creating the largest ever alliance committed to achieving net zero carbon emissions by 2050 at the latest. Since COP25, there has been a 66% increase in the number of commitments.

For the full list of Race to Zero members, please [click here](#)

To see all members of the Climate Ambition Alliance (which includes countries and Race to Zero) [click here](#)

53%

Global GDP

23%

Global CO2 emissions

2.6

Billion people

\$4.72

Trillion in annual revenue
(for the listed companies)

Who are the partners?

Race to Zero is an exercise in **radical collaboration**, **uniting net zero commitments** from a range of leading networks and initiatives across the climate action community.

[The Argentinian Network of Municipalities](#)

[Certified B Corporation](#)

[The B Team](#)

[Business Ambition for 1.5 C - Our Only Future](#)

[C40's Deadline 2020](#)

[Carbon Neutrality Coalition](#)

[Chambers Climate Coalition](#)

[The Climate Pledge](#)

[Exponential Roadmap Initiative](#)

[Fashion Charter for Climate Action](#)

[Global Universities and Colleges for the Climate](#)

[ICLEI- Local Governments for Sustainability](#)

[PRI/UNEP-FI Net-Zero Asset Owners Alliance](#)

[Science Based Targets for Cities](#)

[TED Countdown](#)

[Under2Coalition](#)

[World Economic Forum / Mission Possible](#)

[We Mean Business Coalition](#)

[World Business Council For Sustainable Development](#)

Race to Zero collaborates with the following initiatives and networks, which have independently been mobilizing non-Party net zero commitments.



What's the minimum criteria?

The High-level Climate Champions require that the commitments brought forward by networks and initiatives recognized in the Race to Zero campaign meet a minimum set of procedural criteria. These process criteria represent the “Starting Line” for the race, so meeting them does not necessarily imply that an actor is on track to net zero, only that they have begun the process.

For more information

[Click here](#) for full details on the criteria.

[A mapping of the substantive criteria is available here.](#)

1. Pledge

Pledge at the head-of-organization level to reach (net)-zero in the 2040s or sooner, or by midcentury at the latest, in line with global efforts to limit warming to 1.5C

2. Plan

In advance of COP26, explain what steps will be taken toward achieving net zero, especially in the short- to medium-term. Set an interim target to achieve in the next decade, which reflects a fair share of the 50% global reduction in CO2 by 2030 identified in the IPCC Special Report on Global Warming of 1.5C

3. Proceed

Take immediate action toward achieving net zero, consistent with delivering interim targets specified

4. Publish

Commit to report progress at least annually, including via, to the extent possible, platforms that feed into the UNFCCC Global Climate Action Portal

How to join?

How to join as an initiative or network:

Towards COP26, the High-Level Champions will engage new coalitions and initiatives that match Race to Zero's 'minimum criteria' (outlined above). For more information on how to become a recognized Race to Zero partner, contact: RaceToZero@unfccc.int

How to join as an actor:

Individual actors (such as regions, cities, businesses and investors) are invited to join an initiative or network, which is an official Race to Zero partner. By joining one of the partners they will be directly included in Race to Zero.

- **Businesses** are invited to contact: [Business Ambition for 1.5 C - Our Only Future](#)
- **Certified B Corporations** are invited to contact: [B Corporation](#)
- **Chambers of Commerce** are invited to contact the [International Chamber of Commerce Chambers Climate Coalition](#)
- **Cities** are invited to contact: [Deadline 2020](#), [Science Based Targets for Cities](#) and [ICLEI- Local Governments for Sustainability](#)
- **Investors** are invited to contact: [Net-Zero Asset Owners Alliance](#)
- **Regions/States** are invited to contact: [Under2Coalition](#)
- **Universities** are invited to contact: [Global Universities and Colleges for the Climate](#)

Upcoming moments

1. New York Climate Week

21 September (tbc)

2. TED Countdown

In advance of COP26, explain what steps will be taken toward achieving net zero, especially in the short- to medium-term. Set an interim target to achieve in the next decade, which reflects a fair share of the 50% global reduction in CO₂ by 2030 identified in the IPCC Special Report on Global Warming of 1.5C

3. Race to Zero Dialogues

Take immediate action toward achieving net zero, consistent with delivering interim targets specified

4. Publish

Commit to report progress at least annually, including via, to the extent possible, platforms that feed into the UNFCCC Global Climate Action Portal

Assets

Website

[Visit here](#)

Comms Materials/logos

[Download here](#)

Launch Release

[Read here](#)

R-O Video

[Watch here](#)

Brand toolkit v1.0

[Click here](#)

**FOR A HEALTHY,
RESILIENT,
ZERO-CARBON
RECOVERY**

RACE TO ZERO

Press cuttings

Financial Times: [UN Starts new 'net zero' race](#)

Financial Times: [This recovery will be greener than the last one](#)

Bloomberg: [Race to Zero](#)

Fortune: [Diageo, H&M, and Rolls-Royce join to avert climate catastrophe](#)

BBC: [UN launches push for net zero emissions by 2050](#)

Reuters: [Seize your chance to fight climate change 'Race to Zero](#)

Reuters: [Race to Zero](#)

BusinessGreen: [Nigel Topping & Gonzalo Munoz Editorial](#)

BusinessGreen: ['Race to Zero' fires starting pistol to COP](#)

Guardian: [Covid-19 relief for fossil fuel industries risks green recovery plans](#)

Guardian: [Race to Zero putting new momentum in road to COP26](#)

The I: [Businesses, cities, investors join forces in UN-backed net zero campaign](#)

The Independent: [Official launch of "race to zero"](#)

**JOIN US
IN THE RACE
TO A BETTER
WORLD**

RACE TO ZERO



#OurNorth

NET ZERO

**WHAT TO EXPECT – AND HOW
TO GET INVOLVED**

OUR INSIGHTS

- It's not **if** but **how**
- Evidence base is complex/dispersed
- There's a unique northern angle
- Decision-makers are looking for solutions
- Decarbonisation can deliver a range of benefits



#OURNORTH - NET ZERO AIMS & OUTCOMES

Aim: Homes and lives across the North are improved through the decarbonisation of our existing housing stock.

Outcomes this year:

- NHC members feel connected & informed
- We contribute to securing policy & resources necessary

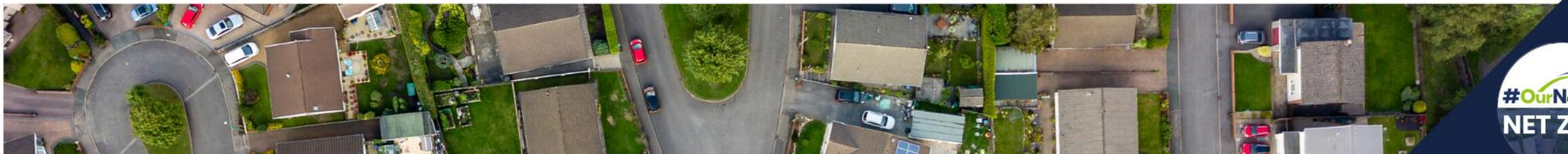


CRAFTING MESSAGES AND BUILDING THE EVIDENCE BASE

- Economic impact :
jobs and skills
- Evidence tool



narec
distributed energy



MEMBERS FEEL CONNECTED AND INFORMED



THE NHC NORTHERN HOUSING SUMMIT
NEW SPEAKERS ANNOUNCED



Lord Deben
Chairman of the Committee on Climate Change



Professor Hayley Fowler
Professor of Climate Change Impacts and Royal Society Wolfson Research Fellow, Newcastle University

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FREE FOR MEMBERS

NEW PROGRAMME FOR EXECUTIVES

ACTION LEARNING TASTER SESSIONS

1PM - 2.15PM ON TUESDAY 7TH JULY
1PM - 2.15PM ON TUESDAY 21ST JULY

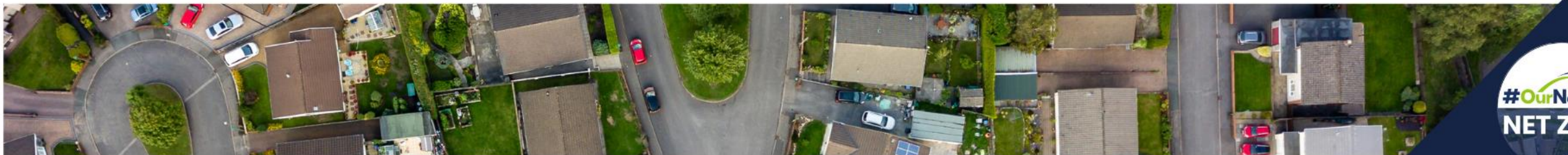
INFLUENCE NORTH

THE NHC'S EXECUTIVE ENGAGEMENT PROGRAMME



#OURNORTH NET ZERO WEBINARS

- Climate Emergencies – Ambition, Policy, Action
- Understanding Your Stock – the Asset Management Implications of Energy Efficiency
- Green Finance
- Retrofit Part 1 – Scaling up Supply & Demand, and Fabric First
- Retrofit Part 2 – Home Energy Systems
- Power of Solar
- Decarbonising Rural Areas
- Getting Communities on Board – Education and Engagement with Residents





CLIMATE EMERGENCIES – AMBITION, POLICY, ACTION

WEBINAR, 9TH SEPTEMBER 2020



Polly Billington

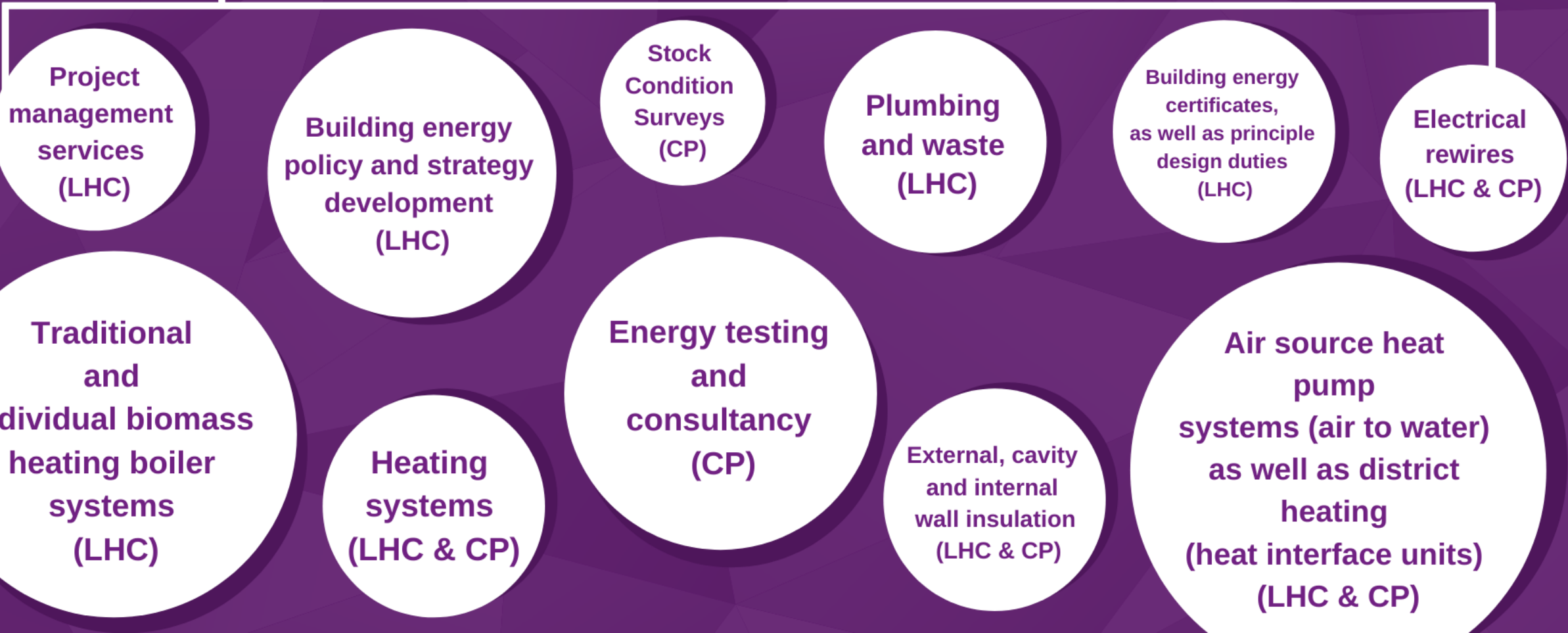
Director, UK100



Dr Nadine Andrews

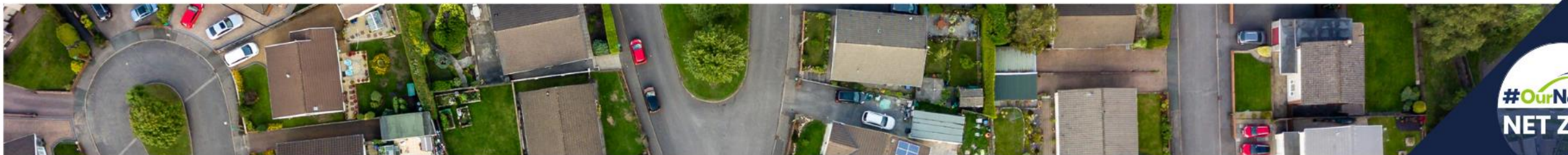
Social Researcher,
Scottish Government

Procurement Solutions



HOW TO GET INVOLVED

- Programme supporters
- Webinar topics
- Positive practice examples





JAMIE DRISCOLL

MAYOR, NORTH OF TYNE



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PANELLISTS

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GAIL TEASDALE

CHIEF EXECUTIVE,
BROADACRES



PAUL SHEVLIN

CHIEF EXECUTIVE OFFICER,
CRAVEN DISTRICT COUNCIL



ALAN BODDY

EXECUTIVE DIRECTOR OF
HOUSING & OPERATIONS, LIVIN



IAN THOMSON

EXECUTIVE DIRECTOR OF ASSET
MANAGEMENT, MAGENTA
LIVING



ALAN BODDY

EXECUTIVE DIRECTOR OF HOUSING
& OPERATIONS, LIVIN

The logo features a stylized blue and green wave above the text. The text is split into two lines: the top line contains the hashtag "#OurNorth" in a blue sans-serif font, and the bottom line contains "NET ZERO" in a larger, bold, white sans-serif font. The entire logo is set against a white semi-circular background.

#OurNorth
NET ZERO

Livein

Plan A to Planet A

**Alan Boddy – Executive Director
of Housing and Operations**

About Livin

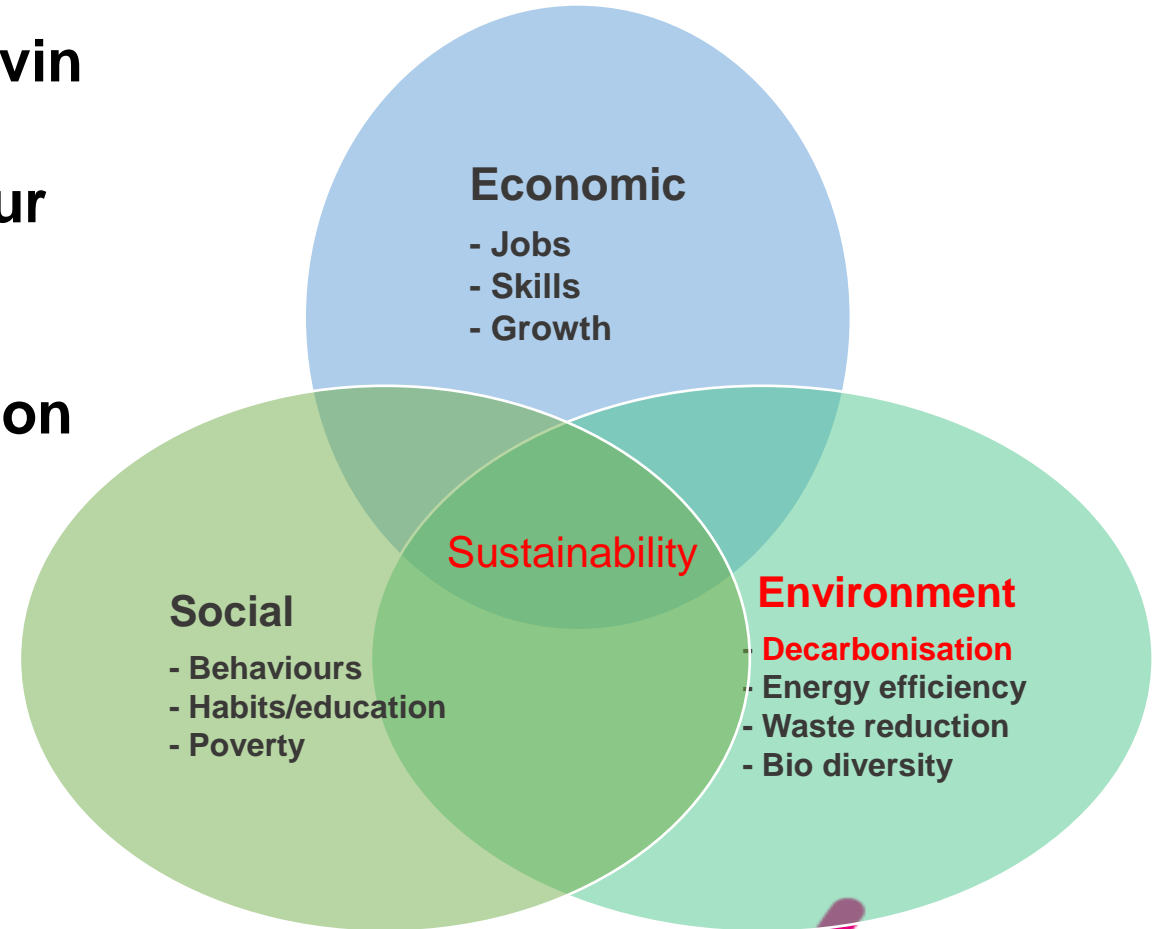


- 8,500 properties
- Operating area consists of urban and rural communities
- Affordable rented tenure accounts for 99.48% of housing
- 75% of tenants struggle with paying day to day bills including fuel costs
- Households have an average income of £15k per annum compared to the national average £29.6k
- Mix of traditional and non-traditional stock (some hard to treat)
- £8.2m spent annually on Repairs and Maintenance
- £6.2m spend annually on capital works (home improvements)
- c.3,500 properties below band C (SAP 69-80)
- c. 100-150 properties per year built/acquired
- By 2030 we will need to have tackled 85% of stock
- 8,500 homes to Retrofit at £20k per year = £170m
- £42m potential investment = £128m funding gap

Livin

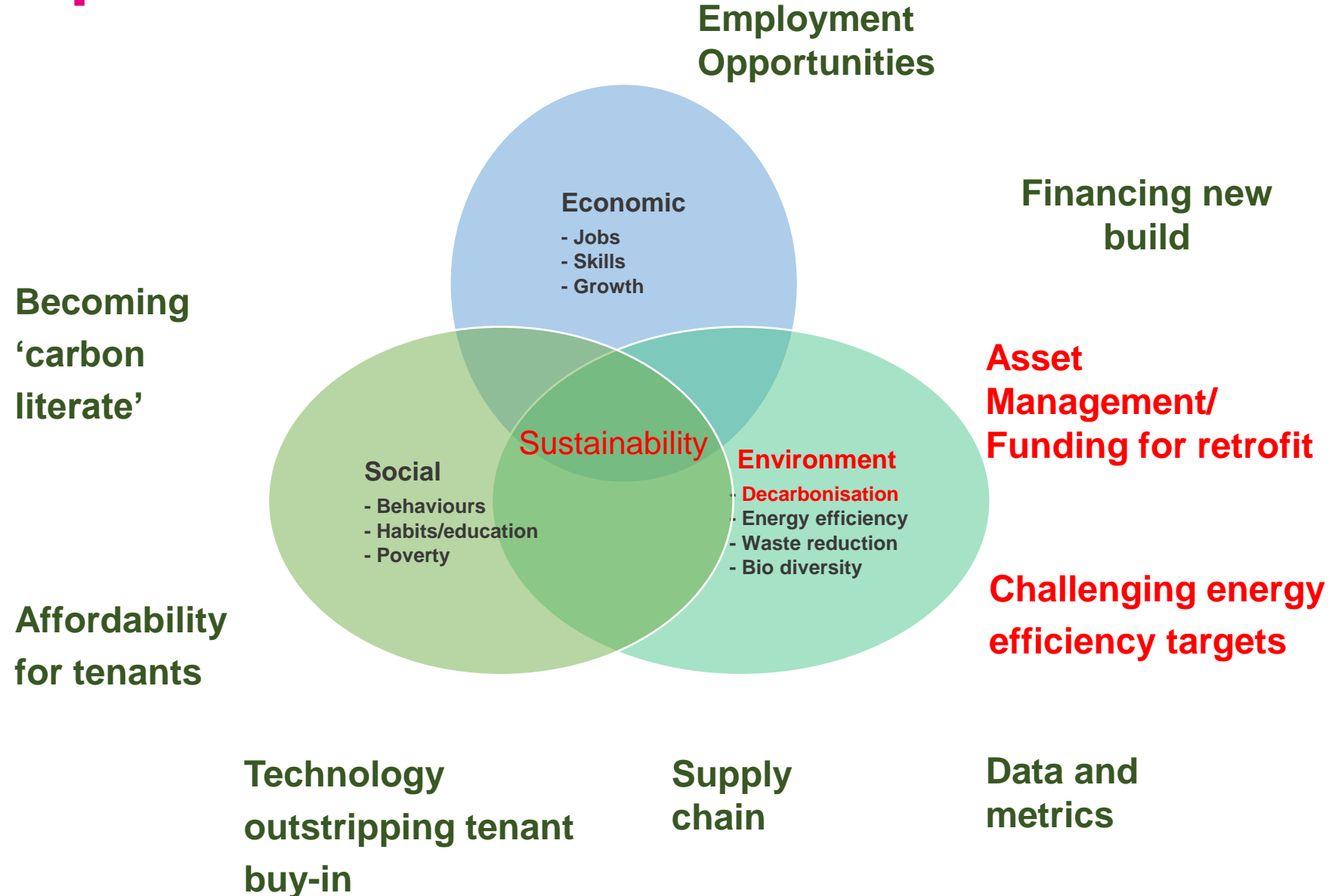
What we will cover

- The implications for Livin
- How we are aligning our strategy
- How we are taking action



Livin

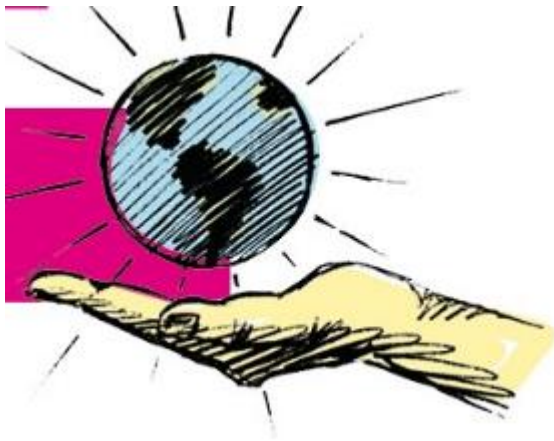
Implications



Aligning our Strategic approach

Plan A – there's no Plan B

Planet A – there's no Planet B



It's a balancing act

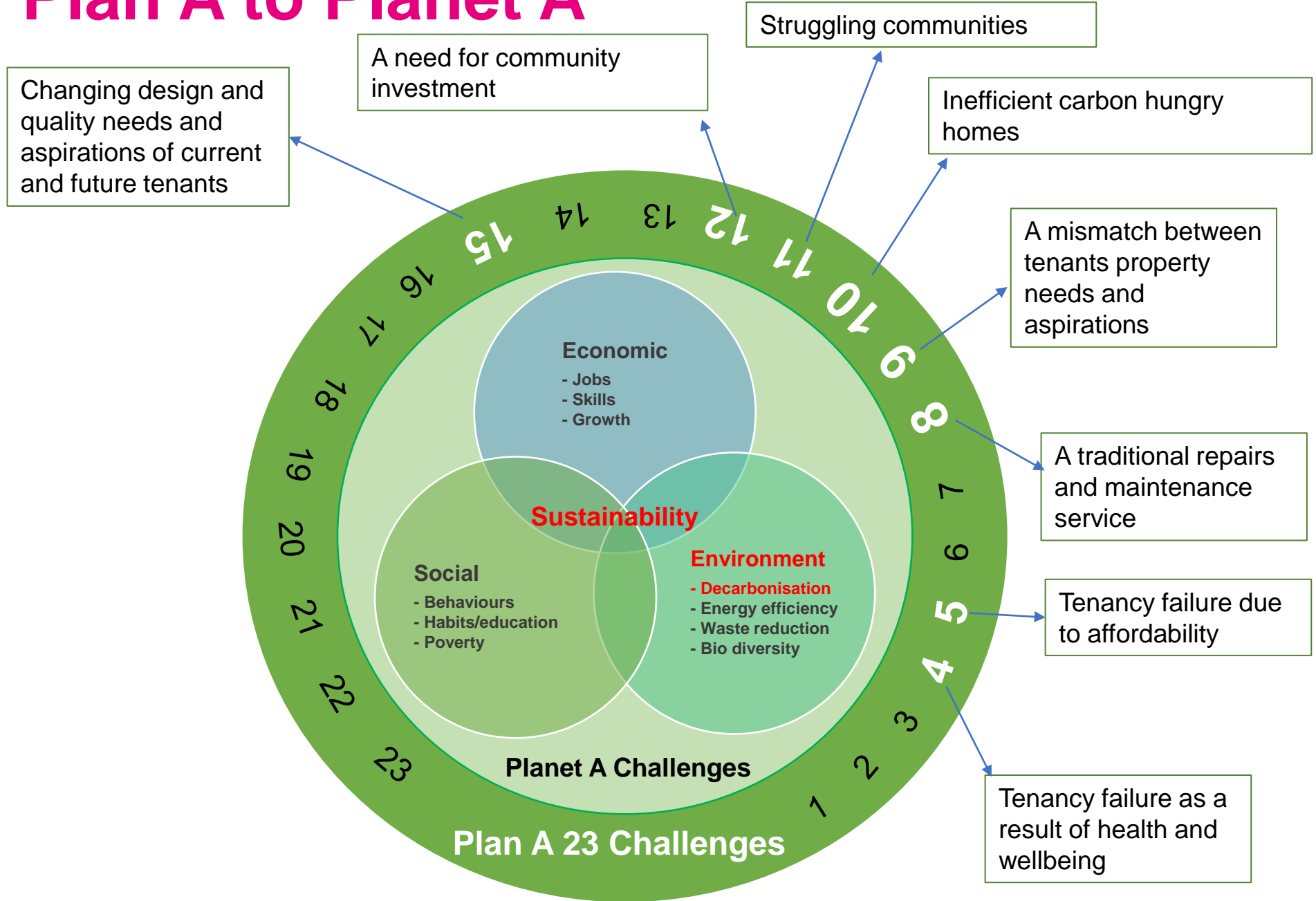


Cost

Carbon reduction

Livein

Plan A to Planet A



Planet A – “big hitters”

Challenge 4

- Improve health-better ventilation and air quality and less humidity

Challenge 5

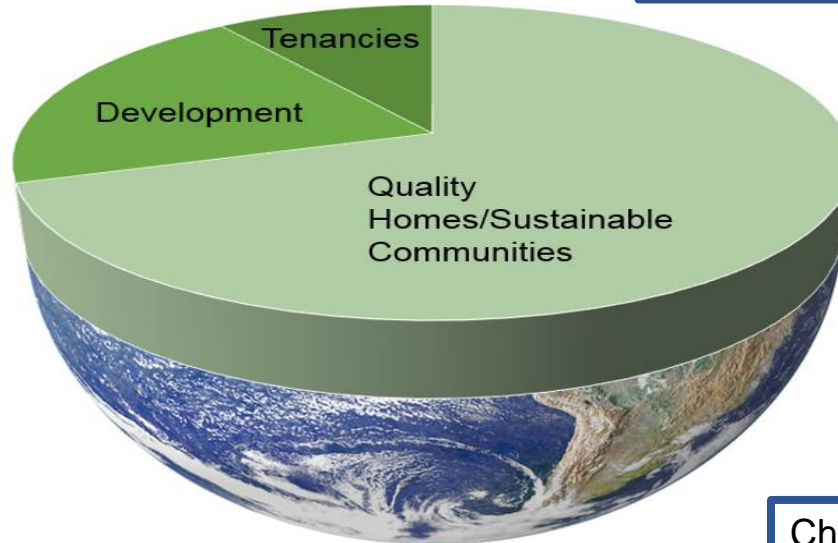
- End fuel poverty through investment, making homes cheaper and easier to heat

Challenge 8

- Digital repair reporting/inspections/solutions
- Multi-skilled operatives to reduce visits
- Right first time- reduce component replacement and travel
- Procure sustainable products
- ‘Green-up’ the vehicle fleet

Challenge 15

- Post 2022 build to Future Homes Standard- exploring options now
- Modular homes, Passivhaus
- Pilot build two zero carbon homes



Challenge 9

- Invest £35m over 5 years via realigning the capital investment programme
- Deliver solutions for the poorest performing stock
- “Buy better” - material specifications and life-cycle of components

Challenge 12

- 720,000m2 Livin land appraisals to consider wild/ community gardens, grow your own and other community benefit initiatives

Challenge 11

- Use of retrofit to boost struggling communities and increase demand and desirability

Challenge 10

- Aiming to get to SAP average 80 ahead of 2030 deadline (3402 properties)
- Major Regeneration scheme - redefined specification and increased £4m budget to incorporate a retrofit pilot

Key Contacts

Plan A

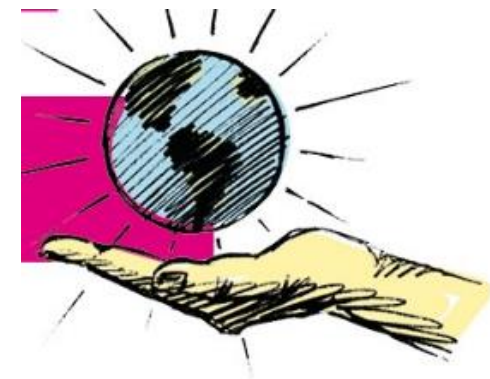
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Planet A

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Property & Asset Management

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GAIL TEASDALE
CHIEF EXECUTIVE, BROADACRES



IAN THOMSON

EXECUTIVE DIRECTOR OF ASSET
MANAGEMENT, MAGENTA LIVING



Climate Change Strategy

13 July 2020

NHC Member Panel

Ian Thomson – Executive Director of Assets

Climate Change Strategy

Key Objectives:






- Assess the requirements of our existing stock through the completion of a Zero Carbon Study by spring 2020.
- By winter 2020, deliver Carbon Literacy training to Board and ELT/SLT
- Devise a strategy for deep retrofit of suitable homes following active asset management and performance analysis.
- Review 30 year Business Plan in 2021 to determine available resources to meet Zero Carbon target by 2050
- Commence in 2021 the exploration of current and future funding opportunities in order to raise 50% of the required additional £236M
- Achieve SHIFT accreditation by 2021
- Reduce fuel poverty by achieving average EPC C (SAP 70-72) across 100% of our homes by 2030.
- Assist in reducing the impacts of climate change by achieving zero carbon status by 2050










Zero Carbon Road Map

Our year on year progress required to meet **2050** targets




2020

-  Assess existing stock via zero carbon study
-  Devise strategy for deep retrofit of suitable homes following active asset management and performance analysis
-  Aim for average SAP 70-72 across 100% of our homes by 2030. Focus on fabric first, then low carbon heating technologies and then renewables
-  Ensure 30 year financial plans take into account deep retrofit costs
-  Deliver Carbon Literacy training to Board and across the organisation




2021

-  Pilot the use of electric cars and vans
-  Commence deep retrofit pilot e.g. Energiespong type 'pay-as-you-save'
-  Ensure all new builds have a SAP of 81 or better
-  Formally retain ISO 14001 accreditation
-  Establish Magenta Energy Advice Service
-  Prepare to achieve SHIFT accreditation
-  Introduce Agile working to reduce unnecessary commuting and emissions

2022

-  Establish plans for annual deep retrofits to meet targets
-  Commence introduction of electric vans
-  Commence introduction of electric car leasing scheme


2023

-  Assess existing stock for risk of flood or overheating
-  Research modern methods of construction in relation to new build
-  Establish masterplan for green spaces to provide improvements to the environment and aid flood protection



2025

-  Achieve average SAP of 70-72 across 85% of the stock
-  Review impacts of climate change on customers and staff

2029

-  Fuel Poverty Strategy – 100% homes to be SAP 70-72 (EPC C) or better




2030

-  Ensure 50% of Fleet is electric
-  Make plans to transition all properties from gas to electric or other heating technology

2035

-  UK Government Strategy – phase out petrol and diesel cars
-  Achieve average SAP of 76 across 95% of the stock
-  Research battery technology technologies

2045

-  Installation of required PV on viable roofs
-  Ensure protection for those homes at risk of flooding
-  Achieve average SAP of 80 (EPC B) across 100% of the stock

Zero Carbon Homes Target

Reap financial and well being benefits of a housing stock that has low CO₂ emissions and low fuel poverty.

2050

Zero Carbon Study Outcomes

Phase	Standard	Cost	Timescale for Completion
Stage 1a	Standalone EPC C (traditional approach)	£7.8m	2030
Stage 1b	Reduce Energy Demand by Fabric Improvements – external walls, roofing	£113.0m	2040
Stage 1b	Fabric Improvements -windows, external doors	£68.3m	2040
Stage 1b	Fabric Improvements - ground floors	£45.0m	2040
Stage 2	Zero Carbon ready – alternative heating	£124.2m	2040-45
	Total fabric and heating	£358.3m	2045
	Less existing EWI of say £7.5m	£350.8m	
Stage 3	Net Zero Carbon – PV installation	£21.25m	2050

Key Actions

- Formal Launch of the Climate Change Strategy
- Develop a suite of Climate Change/Strategic KPIs
- Establish the Climate Change Champions team
- Deliver Carbon Literacy training to Board, ELT/SLT
- Establish Magenta Energy Advice Service
- Remodel the stock NPVs to determine financial performance in light of the zero carbon standard and stock condition survey
- Undertake detailed surveys across the stock to identify the suitability of individual properties for zero carbon measures.
- Undertake small scale deep retrofit pilot projects
- Review 30 year Business Plan to determine available resources to meet Zero Carbon target by 2050





PAUL SHEVLIN

**CHIEF EXECUTIVE OFFICER,
CRAVEN DISTRICT COUNCIL**



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THANK YOU

FOR ATTENDING THIS EVENT



@NHC



Northern Housing Consortium

www.northern-consortium.org.uk