



# CREATING A PLATFORM FOR GROWTH

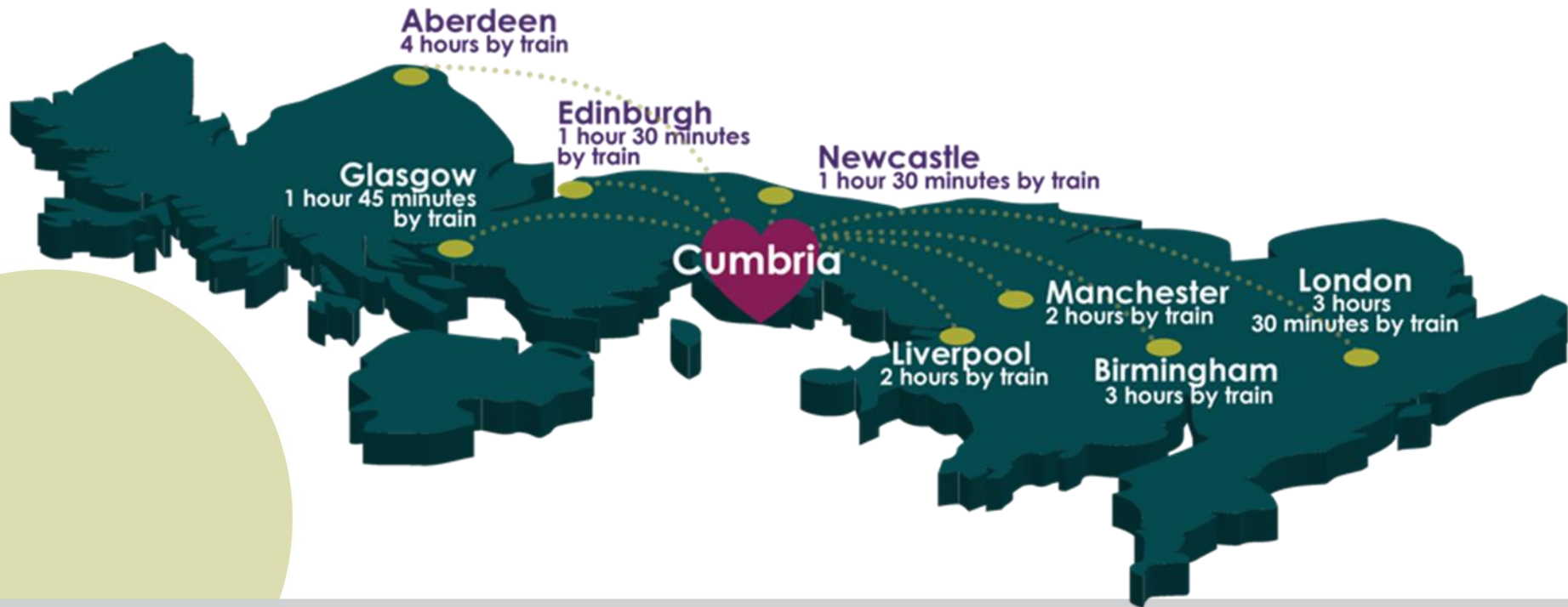
Jo Lappin

CLEP

CUMBRIA  
LOCAL  
ENTERPRISE  
PARTNERSHIP

**NORTHERN**   
**POWERHOUSE**

# Change your perspective - The heart of the UK



# The Growth Approach

- Led by data and analysis
- Building on competitive advantages
- Going with the grain of policy
- Developing credible investable propositions
- Identifying investment sources, increasingly focused on private
- Leveraging geography – Heart of UK, natural capital, geology etc.

# Strategic Touchstones

**Improving productivity levels in Cumbria**  
– geographically and sectorally

**Delivering Inclusive Growth** –  
reducing economic disparities and levels of workless families

**Net Zero** – Clean Energy generation and business decarbonisation

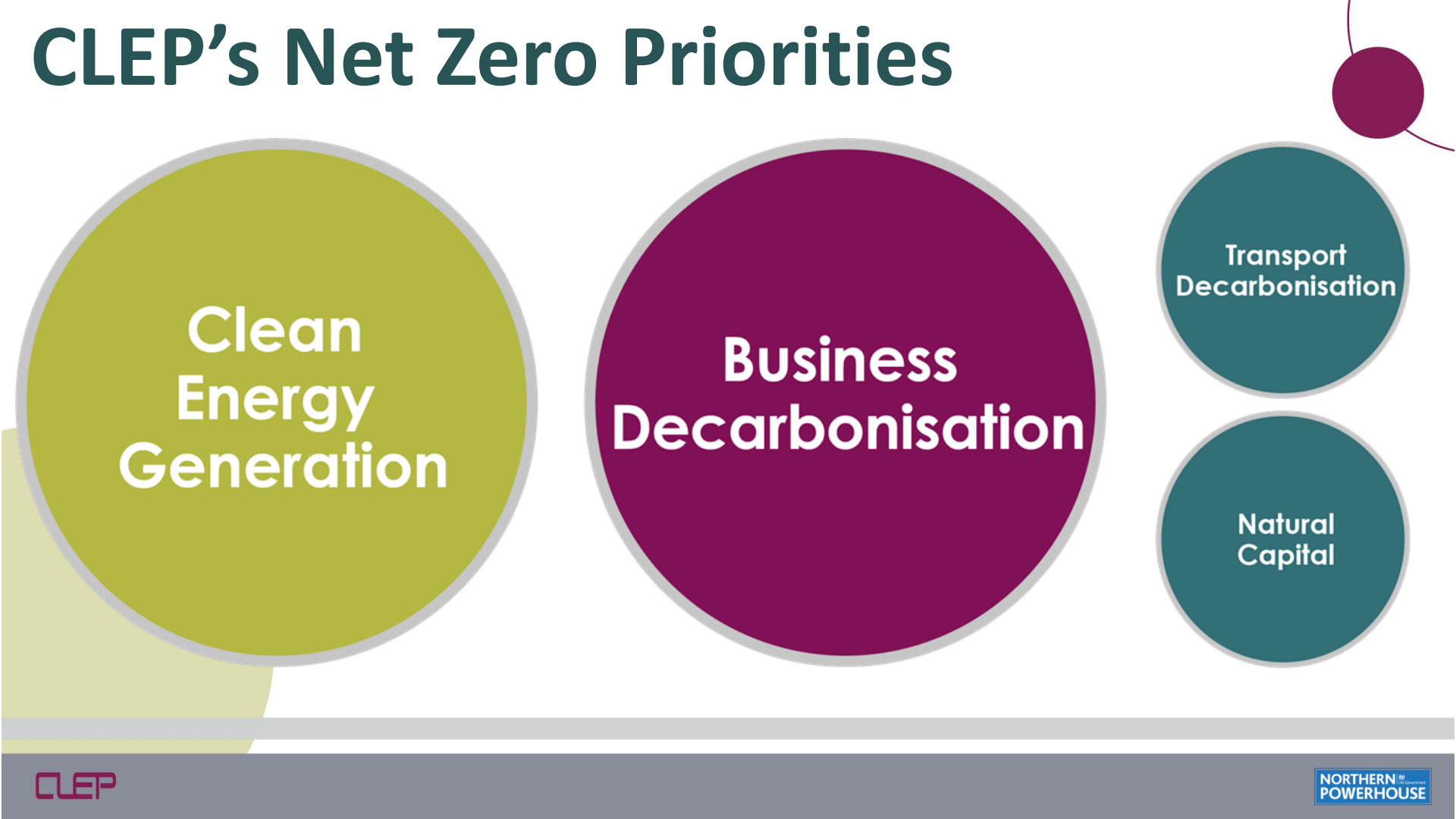
# The 'Re-Think' Themes

- **Clean Energy Generation** – implementing the Clean Energy Strategy, based on Cumbria's world recognised heritage and expertise as a catalyst for significant future investment
- **The Future of Food** – ensuring that Cumbria's existing meat and dairy excellence is supported to grow and in parallel considering opportunities that will put Cumbria at the forefront of food security, resilience and sustainability
- **The UK's Natural Capital** – promoting and exploiting the commercial benefits created by having the most protected landscape (in percentage of area terms) in England

# The Re-Think Themes

- **Diversify to Thrive** – moving to the next level in terms of localisation of supply chains, movement into new markets and extending inward investment
- **The New Visitor Experience** – capturing the changes in sustainable visitor behaviour by offering a world class experience to a wider range of markets
- **The Way We Live, The Way We Work Now** – benefitting from opportunities that people now have in the way that they live and work

# CLEP's Net Zero Priorities

The diagram features three main circular elements. On the left is a large light green circle with a grey border containing the text 'Clean Energy Generation'. In the center is a large purple circle with a grey border containing the text 'Business Decarbonisation'. On the right side, there are two smaller teal circles stacked vertically, both with grey borders. The top one contains 'Transport Decarbonisation' and the bottom one contains 'Natural Capital'. A thin purple line with a circular end is in the top right corner. A grey horizontal bar is at the bottom.

**Clean  
Energy  
Generation**

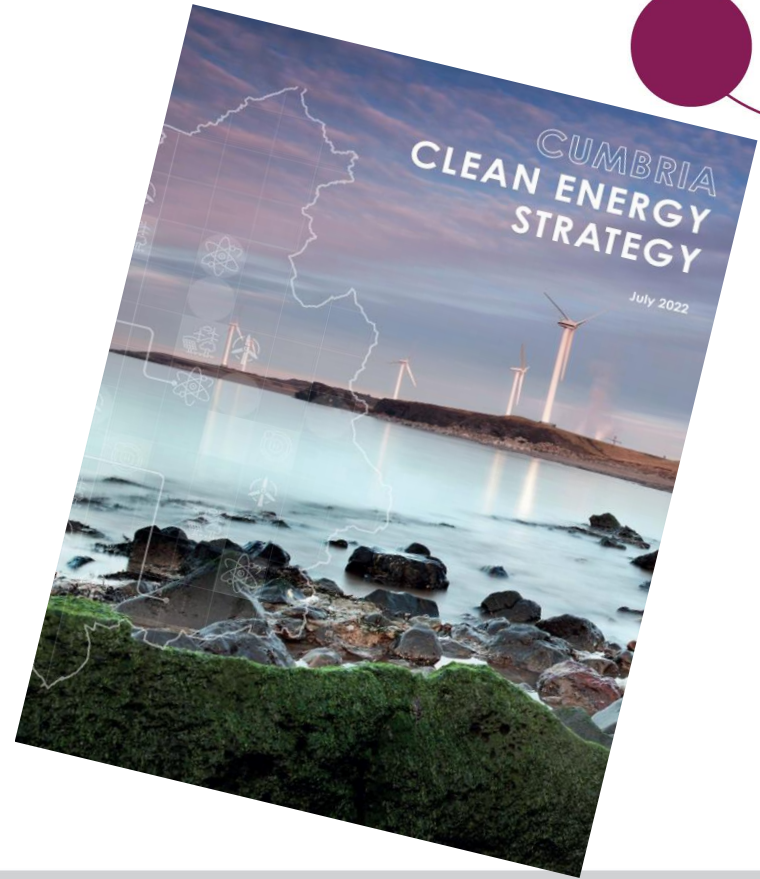
**Business  
Decarbonisation**

**Transport  
Decarbonisation**

**Natural  
Capital**

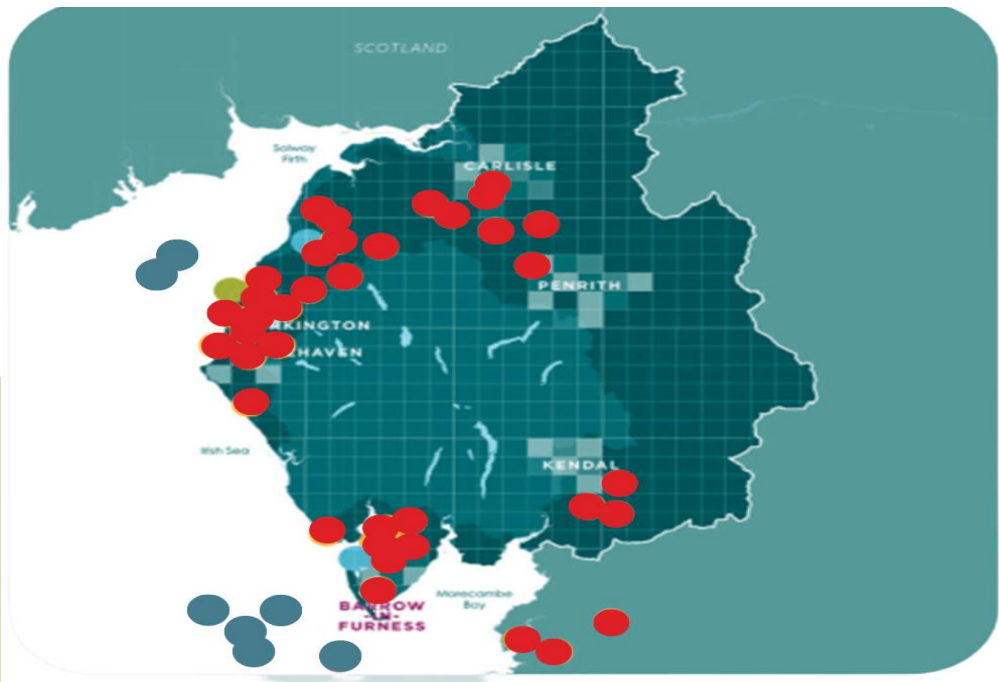
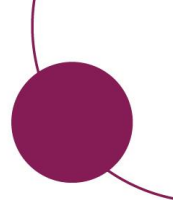
# Clean Energy Strategy

- Sets out ambitious plans across a wide range of green energy types
- A significant clean energy contribution at a national level for net zero.
- Acts as a stimulus for economic growth and levelling up





# Clean Energy Production



- Offshore Wind
- Onshore Wind
- Solar > 2MW
- Biomass

# Current Output

## Offshore Wind



6 wind farms accounting for **15.9%** of the UK energy generation by source

## Onshore Wind



239 wind installations accounting for **1.6%** of UK energy generation by source

## Plant Biomass



3 plants accounting for **1.3%** of UK energy generation by source

## Photovoltaics



8,686 installations accounting for **0.8%** of UK energy generation by source

## Anaerobic Digestion



22 anaerobic digestion installations accounting for **1.6%** of UK energy generation by source

## Hydro



59 schemes accounting for **0.4%** of UK energy generation source

# Offshore Capability



Source: [www.windenergynetwork.co.uk](http://www.windenergynetwork.co.uk) . 2022 UK Offshore Windfarm Map: [Orsted.co.uk](http://Orsted.co.uk)

## Existing

- 1 Robin Rigg
- 2 Walney Extension
- 3 Walney Phase 2
- 4 Walney Phase 1
- 5 West of Duddon Sands
- 6 Ormonde
- 7 Barrow

## In Development

- 8 Morgan
- 9 Mona
- 10 Morecambe

## On Shore Facilities

- A O&M base Workington
- B. On-shore sub station at Seaton
- C. On-shore sub station at Heysham
- D. On-shore sub statio at Thornton
- E. O&M base Barrow

# Cluster Ambition

## Carlisle Energy Hub

- Transport hydrogen hub
- Hydrogen generation
- North/South/East/West Roads and Rail
- Regional hydrogen bus hub
- Carlisle Airport

## Workington Energy Hub

- Hydrogen generation
- Offshore Wind
- Port development

## Moorside and Sellafield Energy Hub

- STEP fusion
- EPR large new build
- Hydrogen generation
- Offshore and onshore wind
- Solar power
- Direct air capture
- Synthetic fuels
- Low carbon Sellafield Ltd.

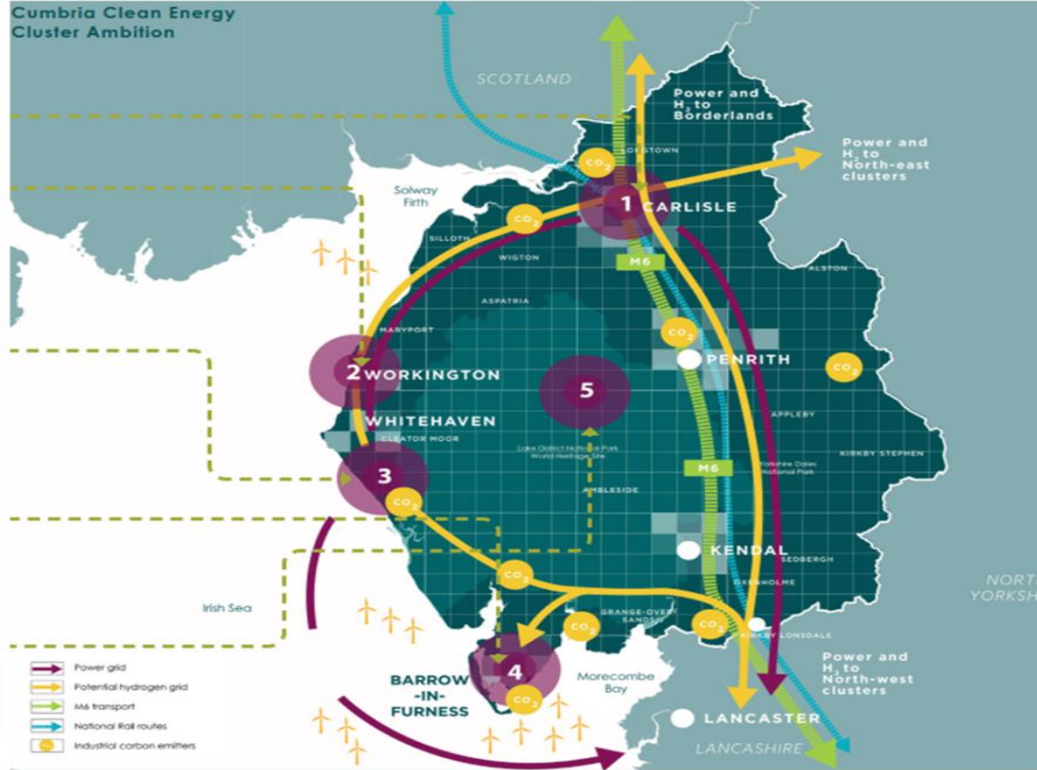
## Barrow Green Energy Hub

- Hydrogen generation
- Carbon capture
- Offshore wind
- Low carbon BAE Systems

## Cumbria Wide Rural Test Bed

- Hydro / Tidal
- Onshore wind
- Bio Energy
- Solar
- Geothermal / Heat networks

## Cumbria Clean Energy Cluster Ambition



# Business Decarbonisation

## 10-POINT PLAN

### 1 Business Decarbonisation Leadership

The strategic importance of business decarbonisation requires a specific governance body to provide visible leadership on this agenda, to sit alongside the Clean Energy Sector Panel.

### 2 Emissions Mapping

Map emissions to identify those businesses that are the most significant industrial and commercial CO<sup>2</sup> emitters in Cumbria to inform a targeted intervention programme.

### 3 High Emitters Programme

Work with those businesses that are the highest industrial and commercial CO<sup>2</sup> emitters in Cumbria to support their plans for decarbonisation and track progress

### 4 Business Decarbonisation Summit

Businesses want to decarbonise their business but need support to understand how best to do this. The Summit will virtually bring together exemplars to share learning and experience and launch the Business Decarbonisation Leadership Group.

### 5 Journey to Decarbonisation

Embed business decarbonisation advice and support in all aspects of CLEP and its sub-contractors SME advisory programmes to ensure that all businesses know what the first or next step in their journey is.



# Business Decarbonisation

## 10-POINT PLAN

### 6 Decarbonisation System Navigator

There is a lot of advice, support and investment opportunities out there, but many businesses are unsure of where to start. The Decarbonisation System Navigator will provide a single source of information on how to take forward decarbonisation in Cumbria. This will be through an interactive diagnostic tool.

### 7 Decarbonisation Events Programme

Implement a programme of workshops for SMEs that feature specific aspects of decarbonisation, including assessing footprint, calculating return on investment, exploring appropriate technologies and securing investment.

### 8 Decarbonisation by Design

Pilot a business decarbonisation programme with businesses across different sectors. Trained advisors will provide:

- CO<sup>2</sup> emissions auditing (Scope 1,2,3)
- Free, independent, and impartial advice on the best carbon and cost saving measures to implement relating to heat, power, energy efficiency and transport
- Wider supply chain CO<sup>2</sup> emissions reduction guidance (scope 3 emissions).

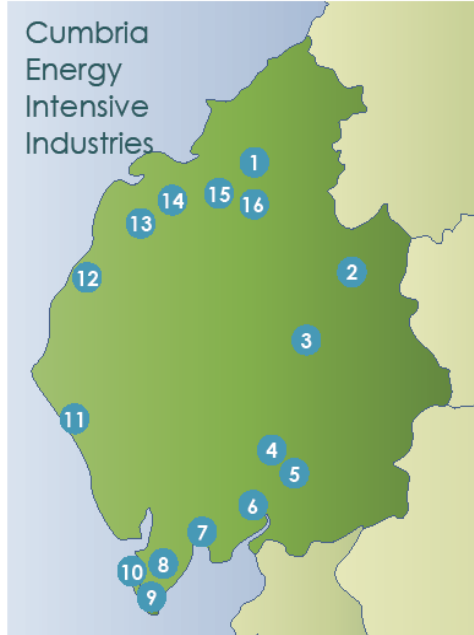
### 9 Secure Investment for Decarbonisation by Design

Develop an application for funding from the Shared Prosperity Fund or other relevant funding stream to scale up the Decarbonisation by design programme.

### 10 Assess, Map and Track

Develop a Cumbria-level performance management framework that provides an accurate baseline, tracks progress and provides comparison with other areas to assess progress.

# Cumbria Energy Intensive Industries



LOCATIONS	
1	UB United Breweries
2	British Gypsum CARBORON
3	TATA STEEL
4	JAMES CROPPER EST. 1845
5	Kendal Nutricare
6	Pura Protein Systems
7	3SK
8	Kimberly-Clark
9	SPIRIT ENERGY
10	BAE SYSTEMS
11	Skelfield Ltd
12	HOLMEN IGGESUND
13	Frat milk LABORATORIES
14	INNOVA FUTAMURA
15	PIRELLI
16	NIBBE

- Cumbria's biggest employers and economic contributors
- Account for over 95% of Cumbria business CO<sub>2</sub> emissions
- Collaboration on energy efficiency and fuel switching opportunities away from fossil fuels
- Support with Industrial Energy Transformation Fund schemes