# Measuring progress on climate changehow are we doing?



### Mark Davies

## Chief Executive

Lancaster City Council

8 December 2023



## THEMES



Understanding the context

Building Decarbonisation Transport and Travel Lessons Learned

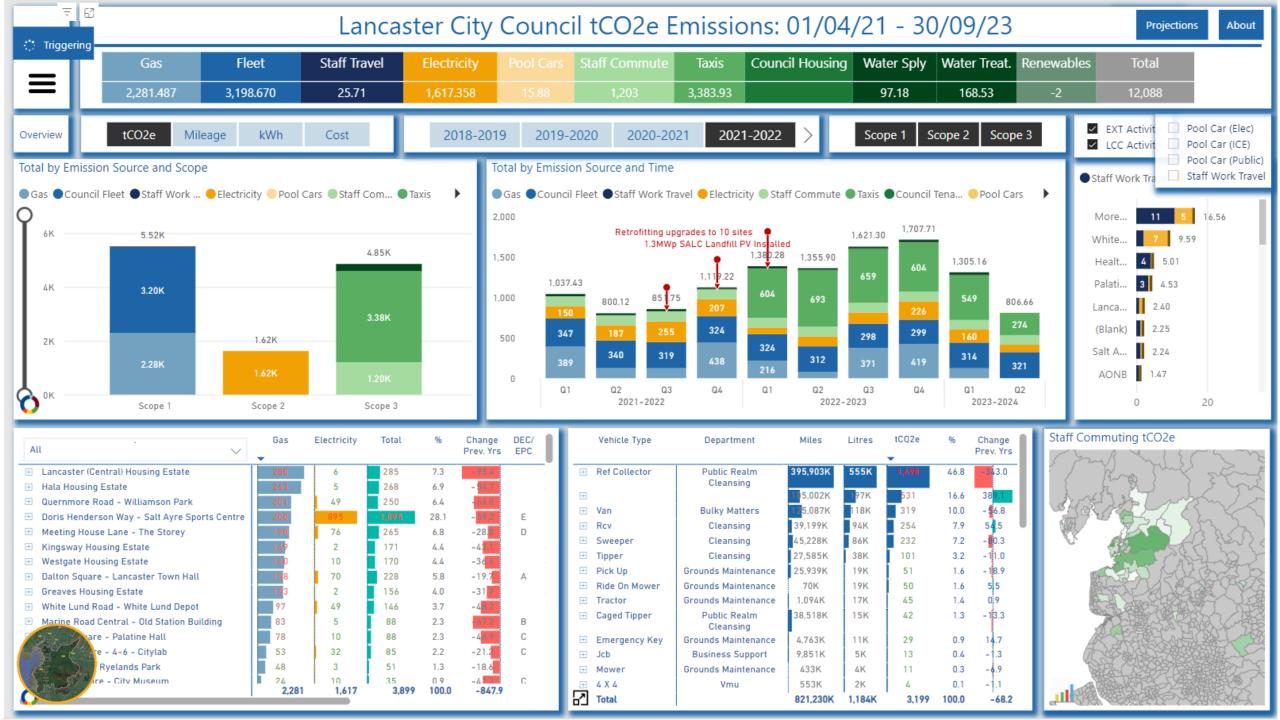




### Climate Emergency Declaration







### Lancaster City Council District Wide Emissions by Sector Comparison Tool





### LOOKING AT BUILDINGS



Understanding the problem

Dashboard

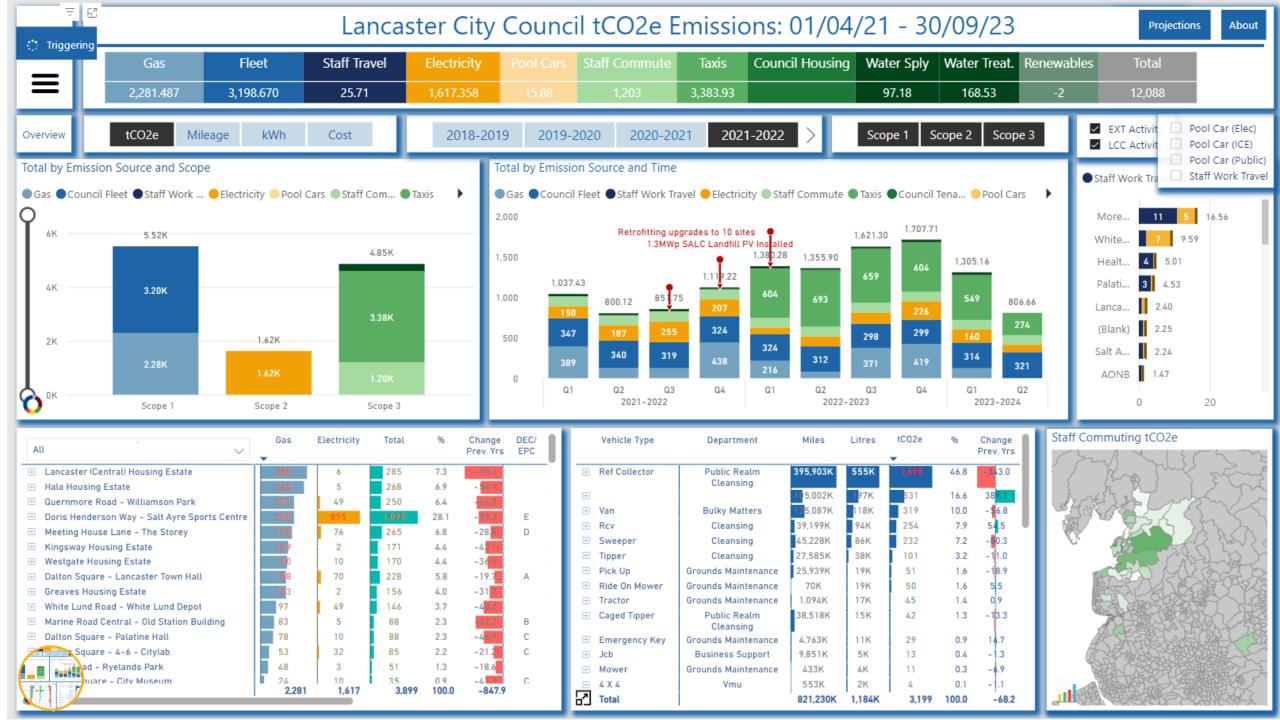
Leading by example Building Decarb Supporting the district Local Plan

Local Area Energy Plan

## Working with communities

Community Land Trust Homes





# Salt Ayre Leisure Centre





Lancaster City Council have set a target to reduce the Council's direct emissions to net zero by 2030. In order to achieve this target, significant investment is required over the coming years.

Achieving the target will require dedicated internal resource and significant long term planning. The decarbonisation of the building stock should be planned and budgeted. This report analyses 18 buildings within the LCC stock, and proposes a decarbonisation plan for these buildings.

Summary of buildings within scope of this plan				
Number of buildings	18			
Total annual energy consumption of existing buildings	8,388MWh			
Total annual carbon emissions of existing buildings	1727 tCO2			

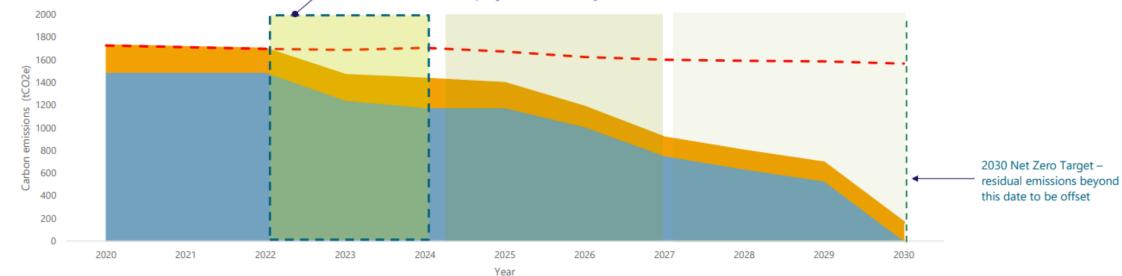
Outcome of proposed decarbonisation projects within this plan			
Annual carbon emissions in 2030	47 tCO2		
Annual carbon saving in 2030	1680 tCO2		
% operational carbon vs existing by 2030	2.73 %		
Total capital cost	£ 14.97 million		

#### Short Term Action Plan

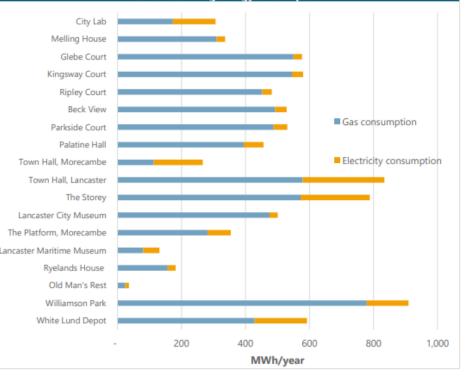
Moving away from reliance on burning of I fossil fuels is a key priority. Any boilers coming to their end of life should be prioritised for I replacement in lieu of heat pumps.

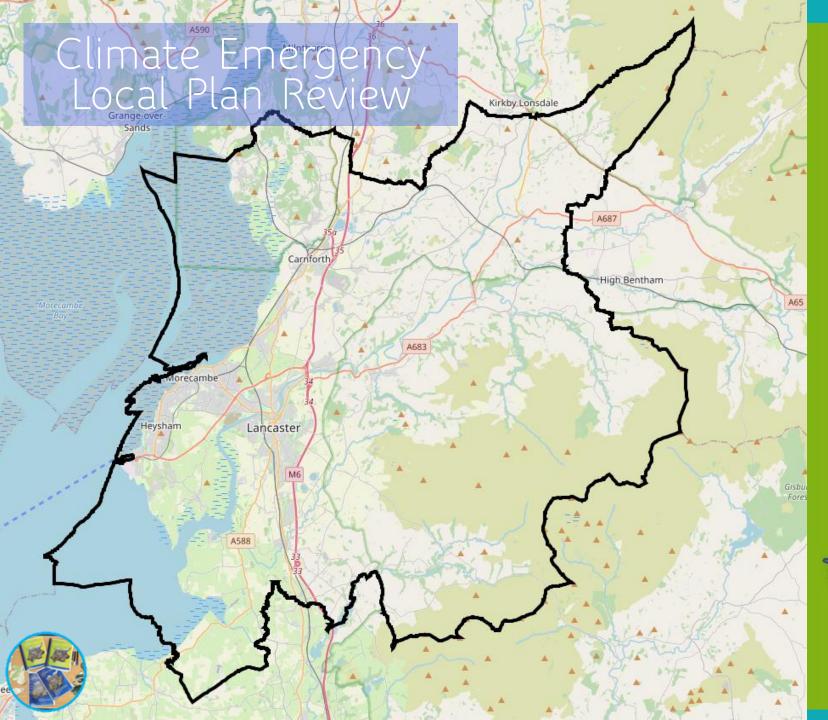
- Where heating plant is replaced, smart controls should be installed to optimise performance and allow remote visibility of energy consumption.
- Replacement of non-LED lighting should be prioritised across the building stock.
- Regards improvement of fabric, priority should be on the buildings in particularly poor condition or with significant portions of single glazing.
- All priority interventions (i.e., prior to 2024) should be prepared for the next round of PSDS funding (phase 4)

Carbon emissions projection tCO2e/yr



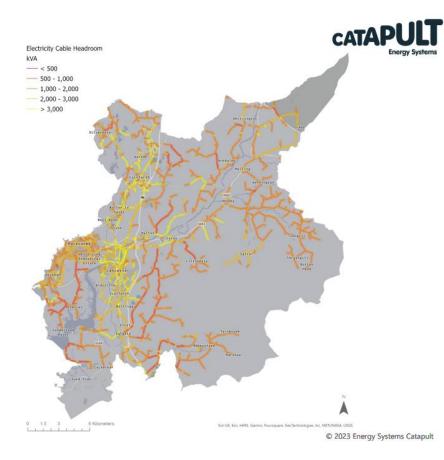
Current building energy consumption





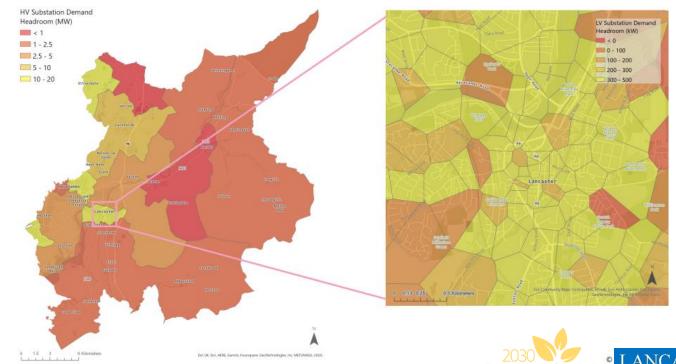
TRACK CHANGE VERSION A Local Plan for Lancaster District 2020 - 2031

> SUBMISSION VERSION Part Two: Climate Emergency review of the Development Management



# Local Area Energy Planning

**Electricity network** 







CATAPUL



### LOOKING AT TRANSPORT



Understanding the problem

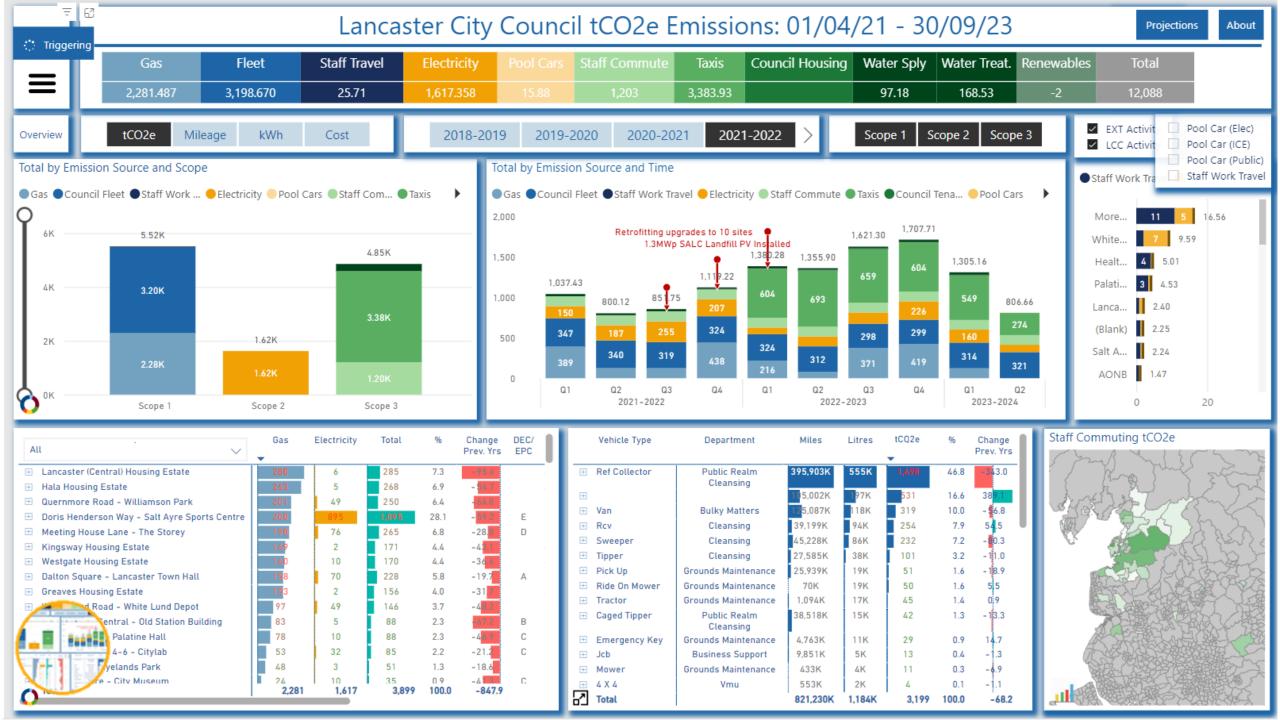
Dashboard

Leading by example Fleet electrification Supporting the district EV Charging and Car Club

#### Working with communities Local Climate

Engagement Programme









2023 Winners of the iNetwork Transforming & Innovating Public Services (TIPS) Award

R POOL CAR ONLY

112

S

co wheels



RE

co wheels

ZERO



How do we make

## LOCAL CLIMATE ENGAGEMENT

democratic society

Shared

Contraction of the	1.000			20.818	100000	-	-	 -
1								
1000	100							
		02200	21111		1			

UK:

involve



involve

















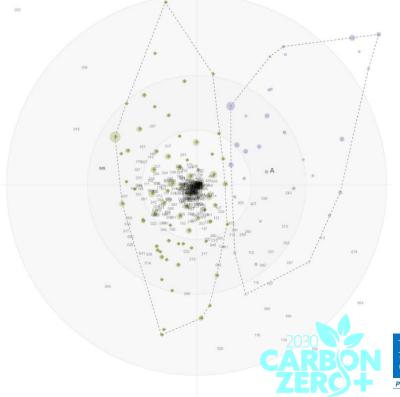
Welcome to a new kind of conversation - vote on other people's statements.

Anonymous wrote: Bus shelters should ha	ave green roofs for biodiversity	100+ remaining
Agree	Ø Disagree	Pass / Unsure

Are your perspectives or experiences missing from the conversation? If so, add them in the box below.

What makes a good statement?

- Stand alone idea
- · Raise new perspectives, experiences or issues
- Clear & concise (limited to 140 characters)



















Promoting City, Coast & Countryside

## LESSONS LEARNED



Act now not tomorrow

Quantify and monitor the problem

Collaborate widely









Council Climate

## Lancaster City Council

★ High scoring council — district

Overall score	Highest scoring section	Lowest scoring section
61%	<b>85%</b> Planning & Land Use ★ High scoring council	<b>27%</b> Transport



FSB Local Government Awards England







"We believe that the only suitable response [to the climate emergency] will be one that brings many organisations and individuals together to work collectively and not separately. This is bigger than Lancaster."

Lancaster Peoples' Jury Statement, 2020



# Thank you





Mark Davies mdavies@lancaster.gov.uk <u>https://www.lancaster.gov.uk/</u>

