

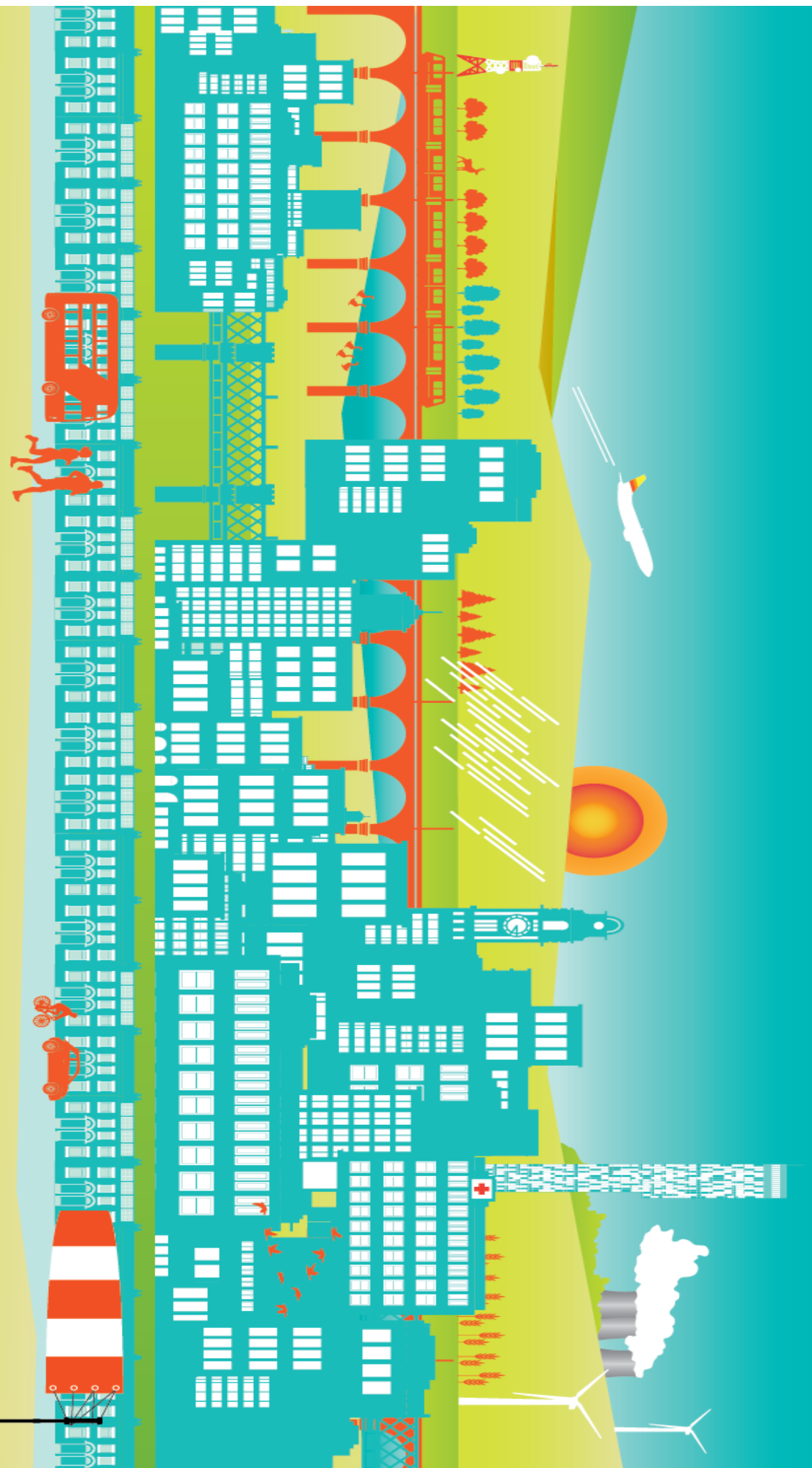
# Greater Manchester Green Summit

21.3.2018 | Manchester Central

Our ambition? To be one of Europe's leading green cities.

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MAYOR OF  
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MANCHESTER

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# CPRE Green Summit Workshop

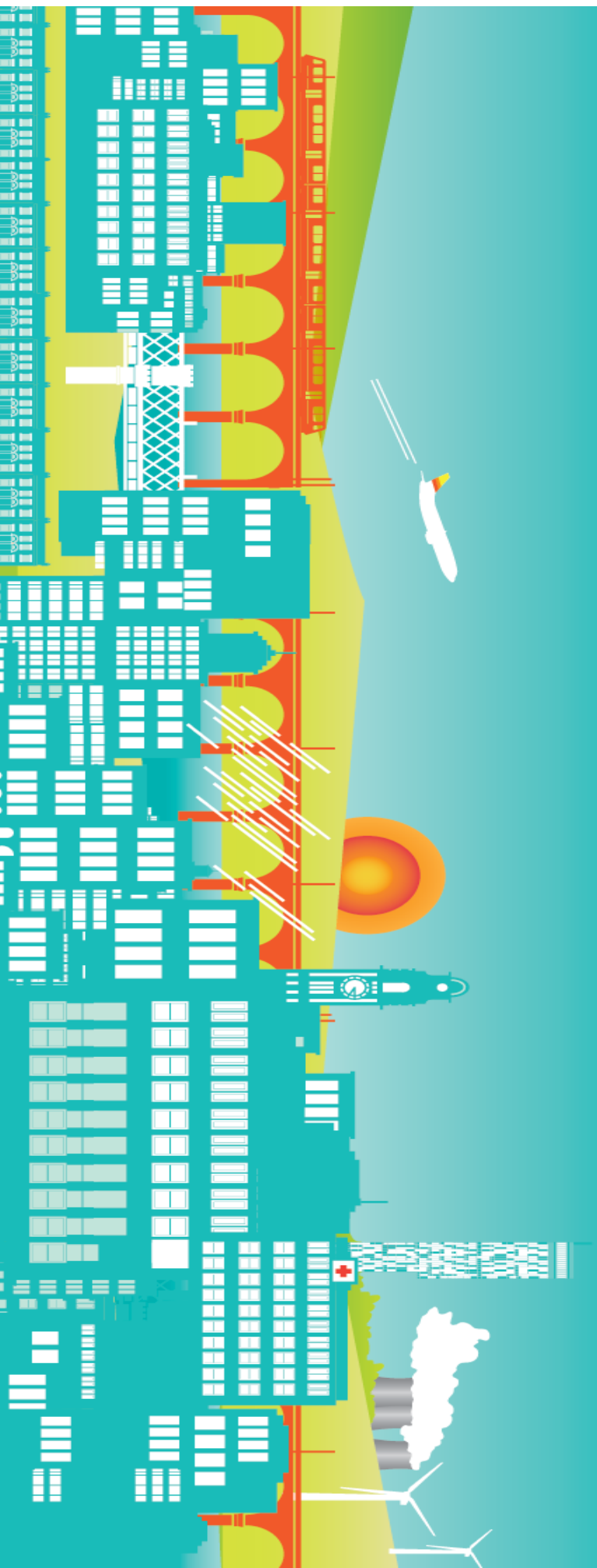
Louise Marix Evans

Quantum Strategy & Technology

23 January 2018

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# Setting City Area Targets and Trajectories for Emission Reduction

Expert Workshops

Listening Events

Green Summit

Environment Charter

Environment  
Charter

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GREENHOUSE  
GAS PROTOCOL



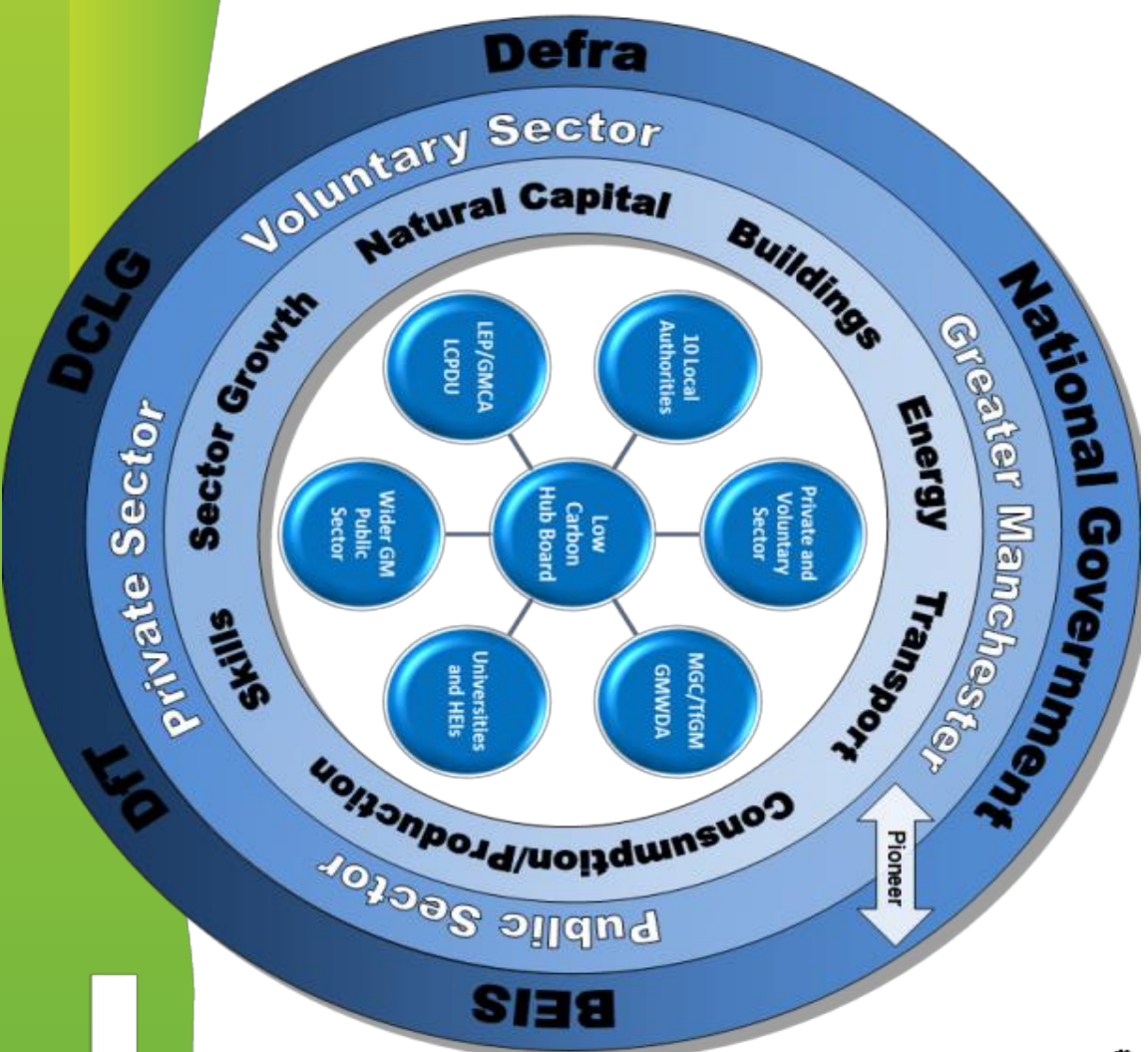
WORLD  
RESOURCES  
INSTITUTE



COMPACT  
of MAYORS

CORECITIESUK

# Climate Change Strategy (2012) and Climate Change and Low Emissions Implementation Plan (2016-2020).



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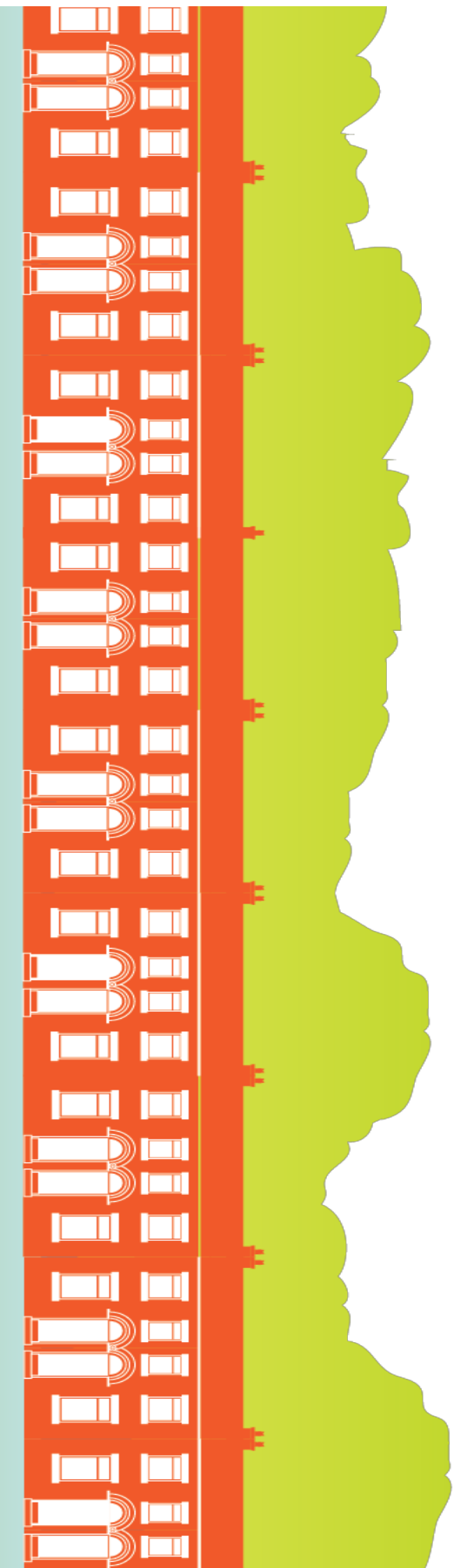
# Research & Evidence

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GM spends over £5 bn/pa on energy (all)  
Use of electricity and gas in buildings accounts  
for 72% of direct CO<sub>2</sub> emissions  
Longer term targets require energy efficiency,  
low or zero carbon heating





GM has 140MW of installed renewable electricity & 29MW of heat capacity



But we have technical potential for 9% of our electricity demand and 68% of our heat demand to come from renewable sources



# Existing Programmes

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**Smart Systems and Heat (SSH)** – national pilot

**NEDO Smart Communities** £20+ million smart energy Demand Side Response

**Buildings Efficiency** - Award Winning £19m energy efficiency domestic programme & investment opportunities identified in non-domestic buildings

**Heat Networks** - £10m funding for first two networks agreed

**Transport** - Electric Vehicle recharging Infrastructure, £23m, Velocity Cycling Network, Extension of Metrolink

**Business support** - £3m Green Growth programme.



## **Green Space & Biodiversity – Natural Capital benefits:**

Greater Manchester's urban woodland sequesters nearly

25,000 tonnes of CO<sub>2</sub> per year at a value of about £2m

- A single tree can reduce air pollution by 20%
- Communities with more greenspace experience 80% less vandalism and 30% less medical depression
- Demand for energy to cool buildings can be reduced by 75% by having green roofs





- We have an opportunity to create a new vision for Greater Manchester

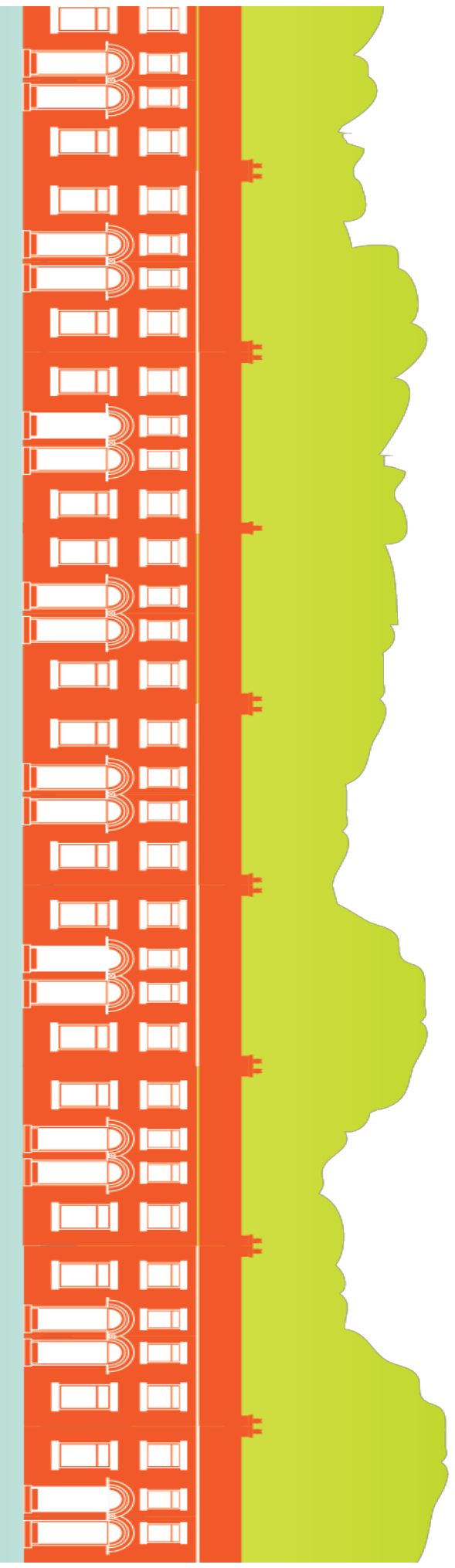
- ‘Business as Usual’ not enough to achieve carbon neutral by 2050

- We must significantly scale up our environment, energy generation & efficiency activities

- Partner collaboration, with citizens, business and academia is key to accelerating progress.

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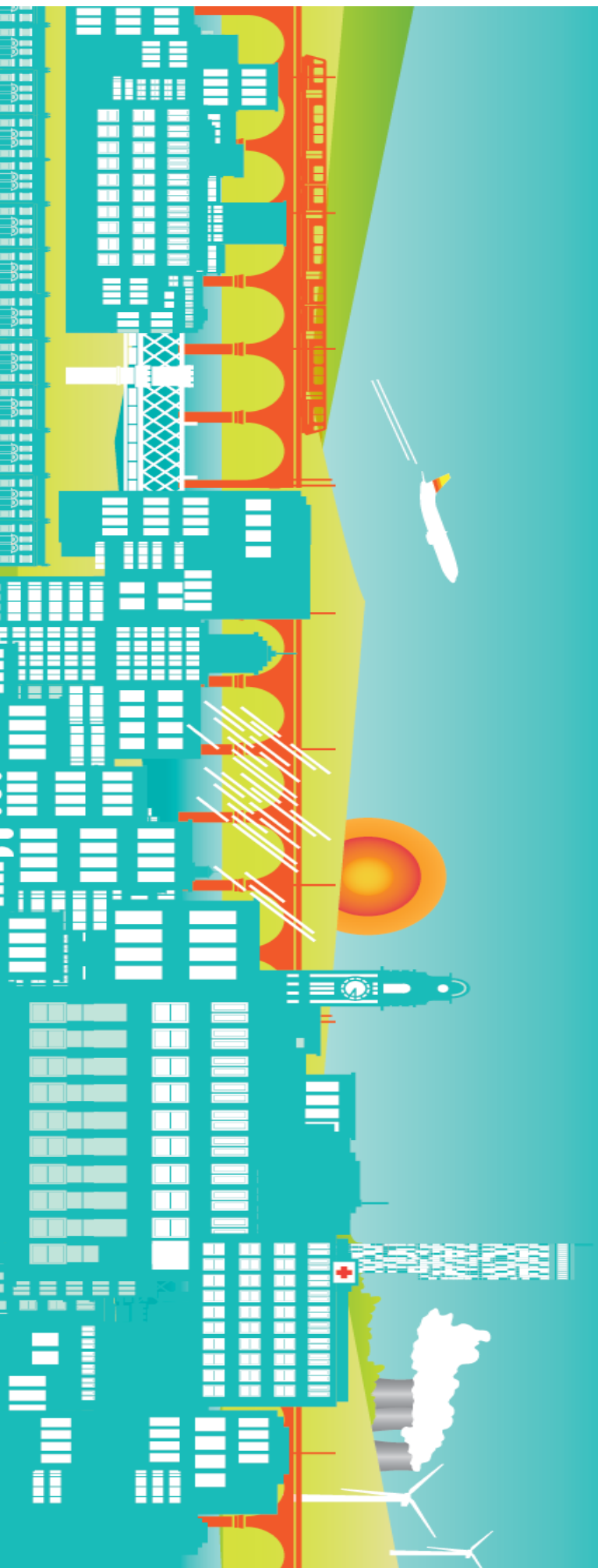
# WORKSHOP SESSION

## Sticky wall exercise for Green Summit listening

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# WORKSHOP SESSION

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**What should Greater Manchester do to  
become a Rural-friendly, Green & Carbon  
Neutral city-region?**

**On your OWN generate your own list of ideas  
3 mins**



In pairs, compare results...

Agree your top 5 actions

Write: 1 action per paper

WRITE BIG

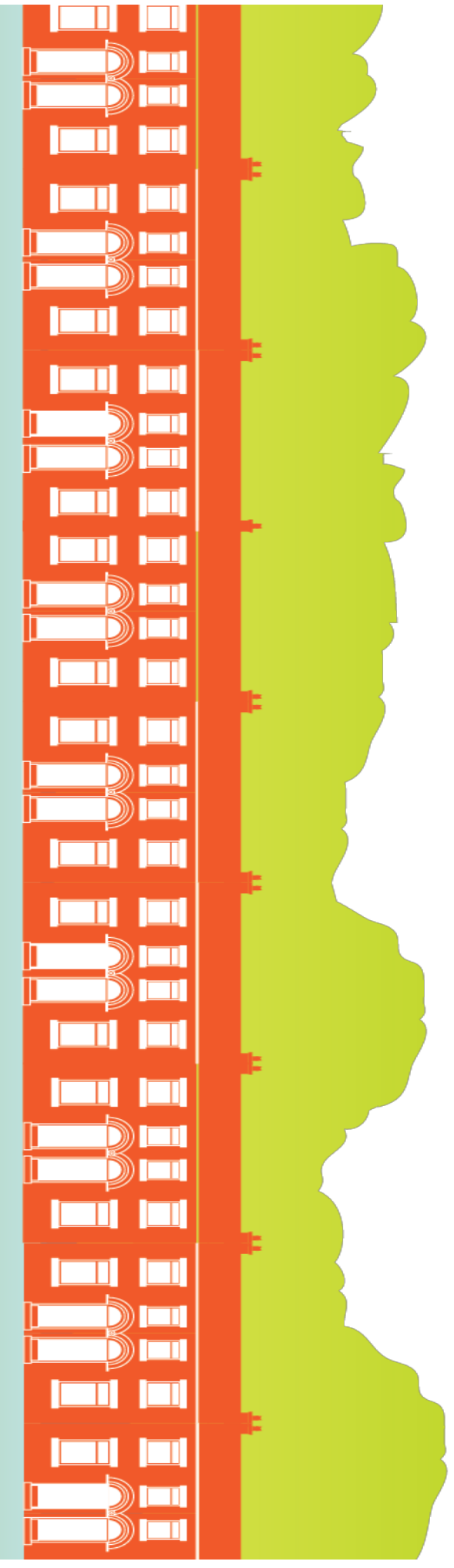
6-7 words per action

10 mins

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What should Greater  
Manchester do to  
become a Rural-friendly,  
Green & Carbon Neutral  
city-region?



# Hand in your top 2 actions...

Do not worry, all five of your actions will be taken in.

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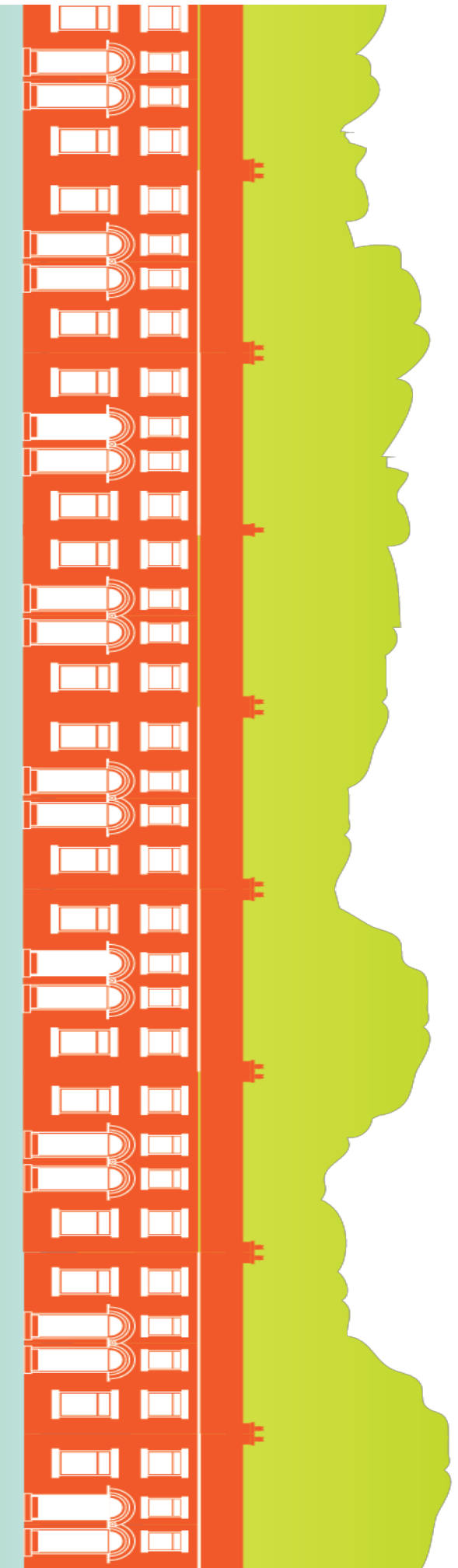
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# Hand in your remaining 3 actions...



# Reviewing the results...

We will write these up and feed them into the Green Summit listening analysis

Jackie Copley, CPRE, will synthesize them into a more formal letter to the Mayor to build on the Mayoral Asks from the CPRE previously issued

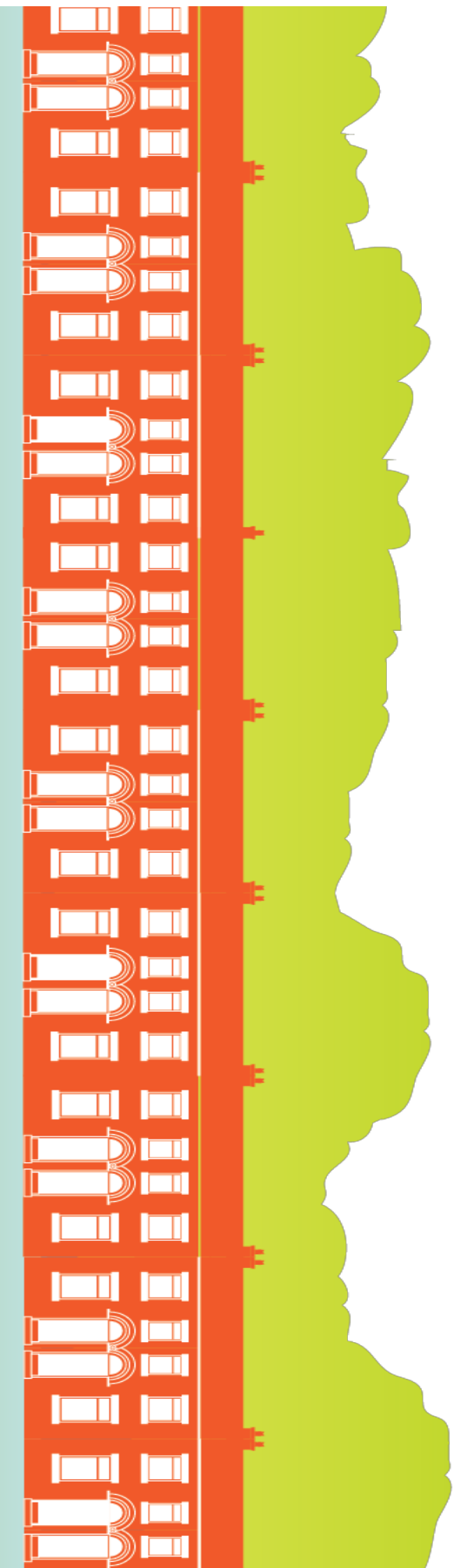


# More ways to get involved

Take the survey – <https://pollev.com/GreenSummit>

Share the survey within your organisation and networks

Talk to your friends, colleagues and neighbours and suggest they take the survey and get involved.





**Our trusted partners:**

The Environment Agency  
Greater Manchester Combined Authority  
Department for Business, Energy and Industrial Strategy



**GMCA**

**GREATER  
MANCHESTER  
COMBINED  
AUTHORITY**



**Department for  
Business, Energy  
& Industrial Strategy**

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