

A place-based approach to Net Zero:

The role of local level data to drive co-ordinated action

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80% of local authorities in the UK have declared a climate emergency.

Over 31% of local authorities in the UK have, or are developing, a Local Area Energy Plan*.



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Local Area Energy Plan – Working towards

Local Energy Asset Representation (a LAEP building block) – Completed



Why local data matters now more than ever...





A co-ordinated plan

Data rich with local information including scenario modelling through a whole systems lens leading to the most efficient and effective local plan to deliver Net Zero.

A siloed approach

If projects are done in isolation and not understanding the future energy system needs, decisions based on limited data and knowledge can lead to stranded assets and wrong investment decisions and this method will not get you to Net Zero.

Modelling only

Substation scale modelling as opposed to building level results in having to make lots of assumptions and risk topdown decision making with oversized outputs and its made even worse with no local engagement / knowledge included.



A good plan needs to truly reflect a local areas and its priorities and growth plans. Stakeholder engagement is key combined with granular building level modelling it provides robustness and confidence to act.

High level aggregation

Producing outputs that are aggregated at too large scale lacks the detail to be able to spot local opportunities and properly define and action projects for change. This approach will need further work and cost to understand and determine projects.



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Data led decision making

What, where, when & how A good LAEP will help local areas understand what LCT they can deploy, where and in what time frame and how to do it in a coordinated way to get to Net Zero

With evidence and data and a plan an area can priotirise as well as delivering. It creates certainty and highlights the low regret options. By creating certainty it derisks decisions.

Project by project approacl

This piecemeal approach will not get you to Net Zero as its uncoordinated but crucially you won't know what the true ptions are, and it does not provide certainty for investors as its not based on evidence.



LAEPing forward, delivering quicker





Scenario #259 is a relatively low-cost scenario. This Scenario features a relatively large district heat network.

LAEPs are driving investment in projects, infrastructure and resources





The opportunity in front of us...





- Enable short-term delivery and investment where its needed.
- Take an adaptive and agile approach to account for future uncertainty.
- Provide a clear longterm vision and objective.
- Be robust across a range of future scenarios.
- Provide spatial context

This document is marked as confidential

Co-ordination is key for local delivery



Local Net Zero Ambition A planned o-o pipeline o

Different places have varying ambitions and views on how to deliver and their role

Local delivery and governance will vary across regional, combined and unitary authorities

Extensive stakeholder engagement and co-ordination required for decision making

Ambition must match local governance

Clear roles and responsibilities ensure local buy-in and tailored pipeline development

Enables identification and prioritisation to create low regret investable projects

Facilitates the public-private partnerships required to support delivery at scale

Pipelines must identify projects Plans into Action

Approach to funding and finance will vary based on priorities and resource availability

Business model innovation critical to explain how funding and finance will be distributed

An understanding of the balance between private and public investment required for long-term success

Action reliant on funding & finance

Thank you

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