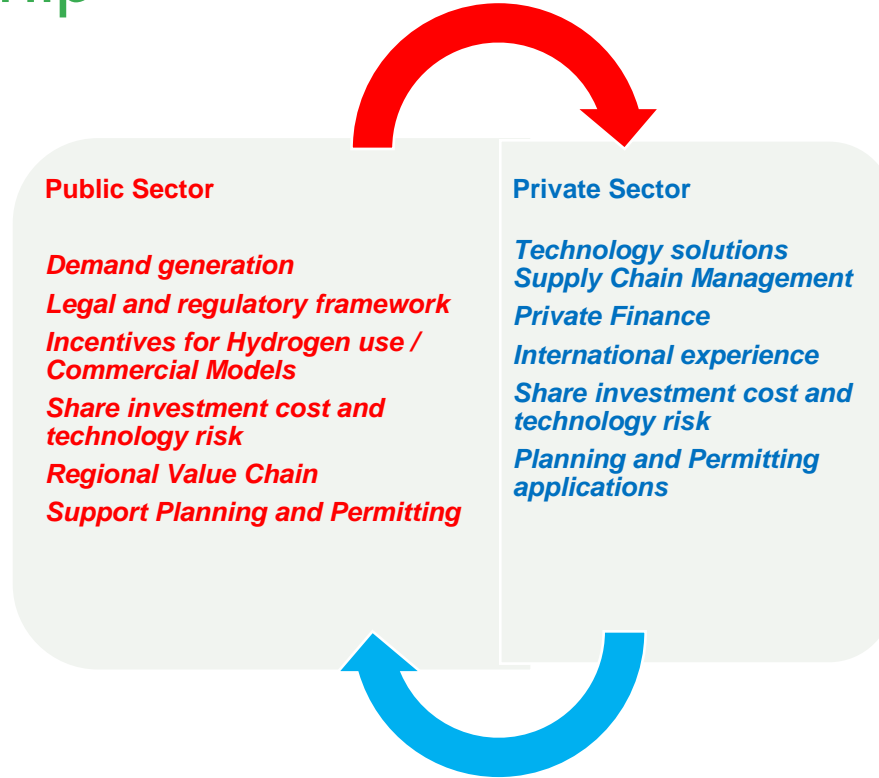


The role of Local Authorities in Developing the Hydrogen Economy

Rupert Lugg



The need for Public and Private Partnership



A National and Regional Approach



UK Government

The Climate Change Act 2008
Net Zero Target by 2050
Net Zero Strategy – Local Climate Action Chapter
Energy bill?

BEIS/ DESNZ

10GW Hydrogen Target by 2030
UK Hydrogen Strategy
Hydrogen Investor Roadmap
Net Zero Hydrogen Fund
Agreement for the Low carbon Hydrogen Business model –
Heads of Terms

Authorities / Combined Authorities

78% of LAs in England have declared a climate emergency
2/3 of Councils in England are aiming to be carbon neutral by 2030
Decarbonisation Plans / Climate Emergency Action Plans
Local Net Zero Forum

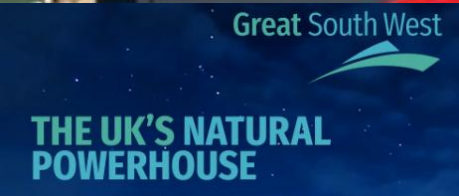
Powerful Regions



**NORTHERN
POWERHOUSE** | HM Government



**GREATER
LONDON
AUTHORITY**



Great South West
**THE UK'S NATURAL
POWERHOUSE**



**Western
Gateway** Porth y
Gorllewin



**MIDLANDS
ENGINE**



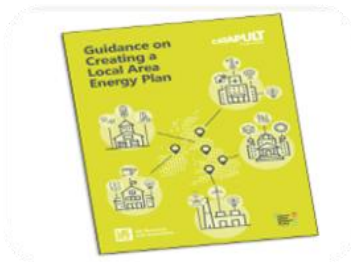
**OXFORD-
CAMBRIDGE
ARC**



The Role of Local Authorities



Delivering in Practice



Direct Control / Asset Owners

Opportunity to support on pilot projects for use of Hydrogen in heating on Local Authority estates – where necessary supporting schemes to replace/retrofit boilers to accommodate Hydrogen.

Local authorities also own fleets of heavy duty vehicles which could be converted to Hybrid/Hydrogen Fuel Cell technology.

Procurement and Commissioning

Local Government third Party Spend in 2020/21 was £64bn

Local Authorities place large contracts and purchases for external services for example in waste collection, street sweepers, fire engines etc.

Zero Emission Buses

Place Shaping

Local planning authorities have powers or influence of 1/3 emissions in their area

Use of statutory powers and duties to develop plans that connect transport, sustainable development and energy production/usage.

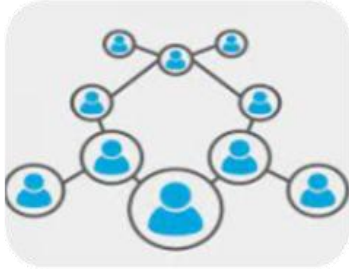
Increasing use of Local Area Energy Planning (LAEP) – a local approach to decarbonise energy systems

Partnership

Co-ordinated thinking across business, academic and the private sector.

Supporting Hydrogen Hubs

Delivering in Practice



Stakeholder Engagement

Using formal consultation processes to engage and communicate with communities to help support/facilitate Hydrogen projects



City Wide Plans

Opportunity to include/consider Hydrogen solutions through City Wide Plans in partnership with the Private sector

e.g.
Bristol City Leap

Identify and adapt successful business models in the market.



Links into Central Government

Engaging with BEIS/DESNZ to support Hydrogen Projects

For example, use of cleaner hybrid/Hydrogen trains through local authority regions where cost of electrification is prohibitively high or supporting investment on mixed hydrogen heating schemes etc.



Feasibility Studies / Research Projects

Commissioning Feasibility Studies to study the potential of Hydrogen as an energy source for the region

Local Authorities involved in hydrogen projects



Belfast
City Council



**North
Lincolnshire**
Council



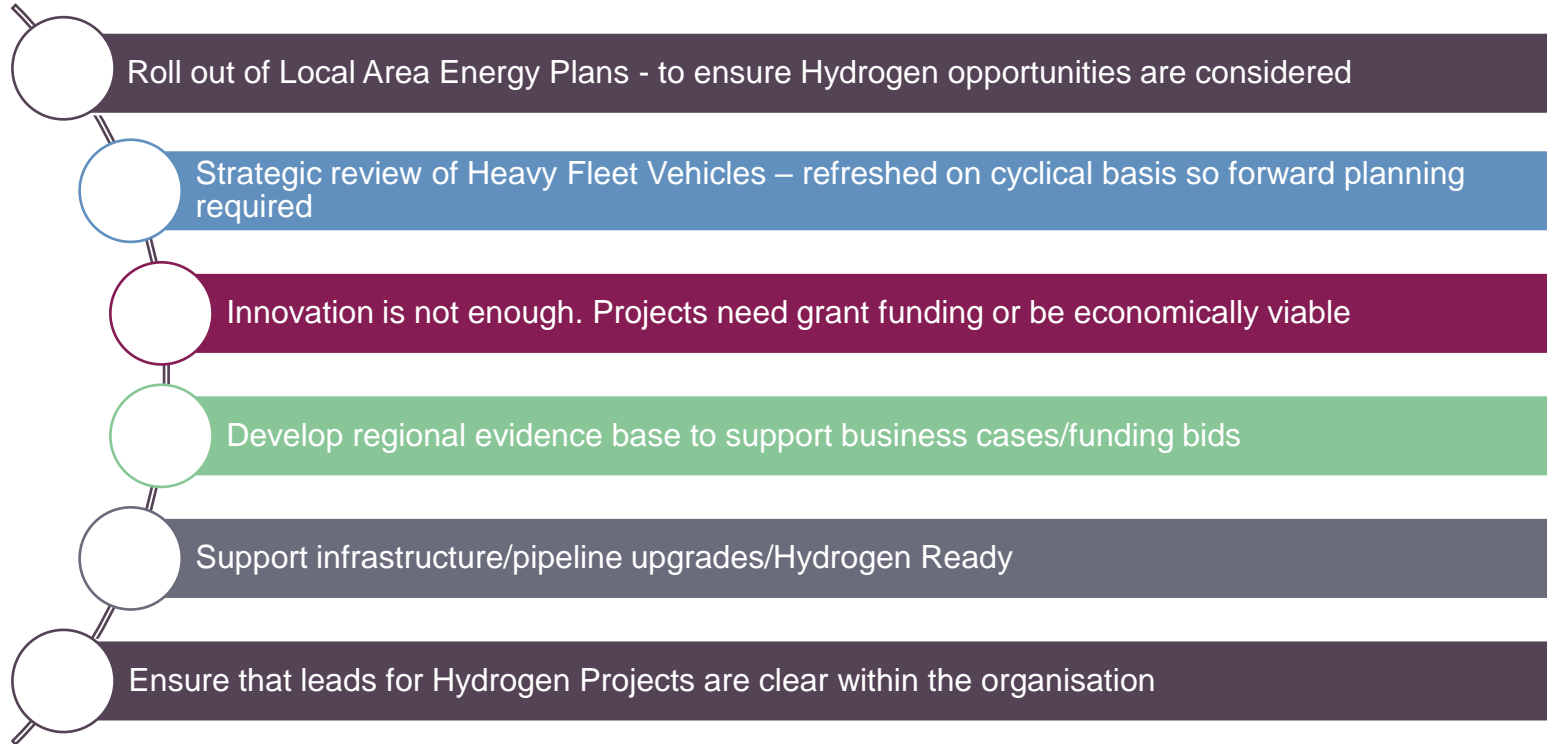
ST HELENS
BOROUGH COUNCIL



Wiltshire Council



Building on Progress



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Thank you

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