

Midlands Energy Hub

BEIS – Local Capacity Support program



Michael Gallagher – Regional Energy Projects Manager

Midlands Energy Hub

BEIS funded initiative

- Support the capacity of LEPs and Local Authorities to identify and deliver local energy strategies and projects
- Address capacity gap of local authorities and LEPs, and improve the regional and national communication channels
- Nine LEP areas with a locally based Senior Energy Project Officer available in each to provide support on Energy Projects

Energy Strategies

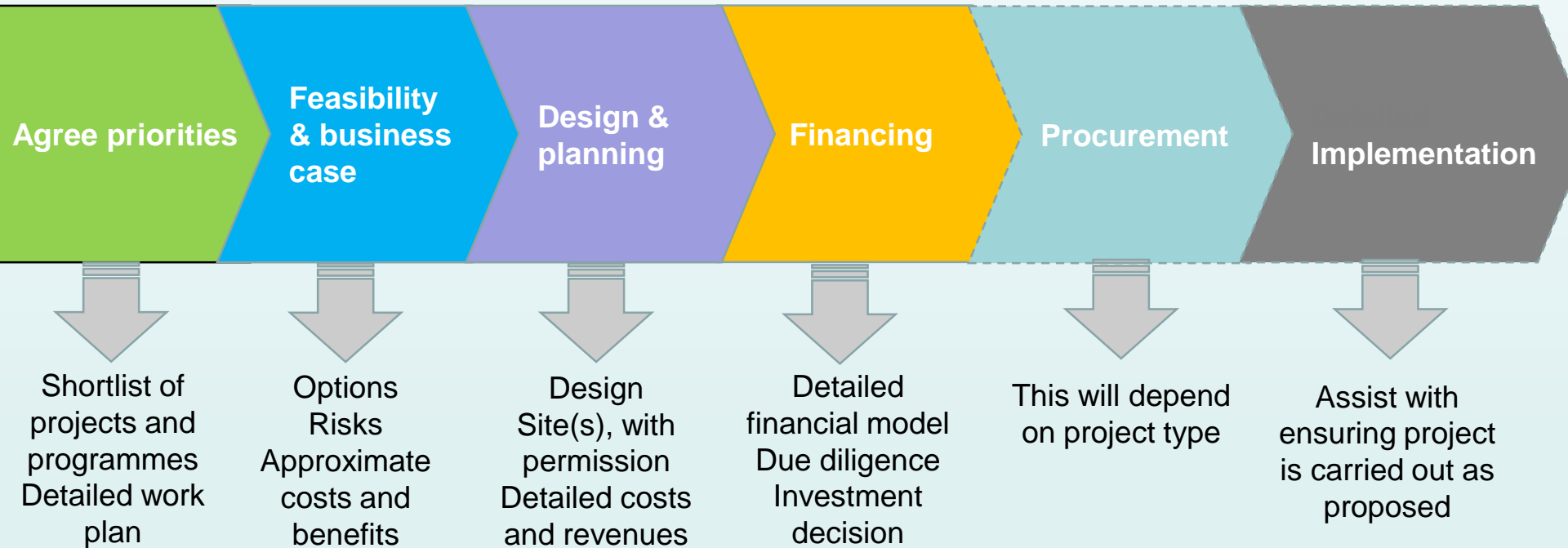
- Midlands LEPs have developed energy strategies.
- These Energy Strategies:
 - Identify energy opportunities and challenges across each LEP area, for power, heat and transport
 - Set out energy demand and carbon emissions trajectories
 - Provide a focus for low carbon energy projects
 - Assess the economic potential associated with this transformation, and inform the Local Industrial Strategy – important for future funding.

Objectives of the Midlands Energy Hub

1. Increase number, quality and scale of local energy projects being delivered
2. Raise local awareness of opportunity for and benefits of local energy investment
3. Enable local areas to attract private and/or public finance for energy projects
4. Identify working model for teams to be financially self-sustaining after first two years

Activities of the Midlands Energy Hub

- Hubs will help LEPs and their local authorities through the following stages:



How objectives will be met

- Targeting realistic, deliverable projects
- Attending events / networking / knowledge sharing
- Funding bids, build relationships with private investors
- Set short, medium & long term goals
- Build a robust project pipeline / programme of works

Example Projects

- Mine water heat extraction
- Coastal anaerobic digestion – food waste
- Large scale PV and battery storage
- EfW - waste heat recovery
- EV charging

The Midlands Energy Hub Regional Energy Team

Head of Energy Services Nottingham
City Council Wayne Bexton

Regional Energy Projects Manger
D2N2 LEP
Michael Gallagher

RSEPO
Greater
Lincolnshire LEP
Jack Hayhoe

RSEPO
Leicester &
Leicestershire
LEP
Gavin Fletcher

RSEPO
Stoke &
Staffordshire
LEP
Mark Gibbons

RSEPO
Worcestershire
LEP
Alex Pearson

RSEPO
Coventry &
Warwickshire
LEP
Ayat Ahmed

RSEPO
Greater
Birmingham &
Solihull
LEP
Vacant

RESPO
Black Country
LEP
Vacant

RSEPO
Marches
LEP
Vacant

Community
Energy Projects
Manager
TBC



Regional Energy Team

An overview

Key

- 1 - North Eastern
- 2 - Cumbria
- 3 - Tees Valley
- 4 - York, North Yorkshire and East Riding
- 5 - Lancashire
- 6 - Leeds City Region
- 7 - Liverpool City Region
- 8 - Greater Manchester
- 9 - Humber
- 10 - Sheffield City Region
- 11 - Cheshire and Warrington
- 12 - Derby, Derbyshire, Nottingham and Nottinghamshire
- 13 - Greater Lincolnshire
- 14 - Stoke-on-Trent and Staffordshire
- 15 - Leicester and Leicestershire
- 16 - The Marches
- 17 - Black Country
- 18 - Greater Birmingham and Solihull
- 19 - Northamptonshire
- 20 - Greater Cambridge and Greater Peterborough
- 21 - New Anglia
- 22 - Coventry and Warwickshire
- 23 - Worcestershire
- 24 - South East Midlands
- 25 - Gloucestershire
- 26 - Hertfordshire
- 27 - Buckinghamshire Thames Valley
- 28 - Oxfordshire
- 29 - London
- 30 - Thames Valley Berkshire
- 31 - West of England
- 32 - Swindon and Wiltshire
- 33 - Enterprise M3
- 34 - South East
- 35 - Coast to Capital
- 36 - Solent
- 37 - Dorset
- 38 - Heart of the South West
- 39 - Cornwall and the Isles of Scilly

Legend

-  Local Enterprise Partnership
-  Local Authority in overlapping LEPs
-  Local Authority



Midlands LEP Region	Regional Senior Energy Projects Officer
17 Black Country	Recruitment in progress
18 Greater Birmingham & Solihull	Recruitment in progress
22 Coventry & Warwickshire	Ayat Ahmed 07864 973 053
12 Derby & Derbyshire Nottingham & Nottinghamshire	Michael Gallagher – Regional Energy Projects Manager 07864 969 755
13 Greater Lincolnshire	Jack Hayhoe 07864 973 065
15 Leicester & Leicestershire	Gavin Fletcher 07516 110212
16 The Marches	Recruitment in progress
14 Stoke & Staffordshire	Mark Gibbons 07864 247 654
23 Worcestershire	Alex Pearson 07864 973 059



Worcestershire LEP – Alex Pearson – RSEPO

Email: alex.pearson@nottinghamcity.gov.uk

Tel: 07864 973059

- Installer of renewable technologies including heat pumps, solar thermal & solar PV
- Managed a team of assessors providing MCS assessments to renewable energy installation companies
- Provided energy efficiency help and advice to over 100 Worcestershire companies; providing ERDF grants to some of these clients through the Worcestershire Target 2020 scheme

Coventry & Warwickshire LEP – Ayat Ahmed - RSEPO

Email: Ayat.Ahmed@nottinghamcity.gov.uk

Tel: 07864 973053

- Experienced in waste management and carbon abatement strategies
- Worked for the Dubai Government overseeing technical evaluation efforts for energy from waste projects as well as formulating the strategic direction for Dubai's carbon management plans
- MSc degree in Environmental Engineering from the University of Nottingham

Stoke & Staffordshire LEP – Mark Gibbons - RSEPO

Email: Mark.Gibbons@nottinghamcity.gov.uk

Tel: 07864 247654

- Technical consulting and commercial advisory roles, with particular experience in Distributed Generation
- Chartered Engineer holding Carbon Trust and CIBSE consultant accreditations
- Keen to develop opportunities for waste and low-grade heat recovery and conversion, harnessing these to encourage local skills and growth

Greater Lincolnshire LEP - Jack Hayhoe - RSEPO

Email: Jack.Hayhoe@nottinghamcity.gov.uk

Tel: 07864 973065

- Experience in the flexible commodity energy sector
- Worked with clients to create the best energy contract possible
- Supported businesses with their utility and project procurement processes; assisting with the set up and risk management strategies, setting limits and organising their portfolio to achieve the strongest returns

Leicester & Leicestershire LEP – Gavin Fletcher - RSEPO

Email: Gavin.Fletcher@nottinghamcity.gov.uk

Tel: 07516 110212

- Experienced in the Community Sustainability sector, Solar PV, and community governance and partnership project work
- As Project Manager of Sustainable Harbrough Gavin developed community owned sustainability projects and enterprises
- Director of Harbrough Energy – a Community Energy Cooperative

D2N2 LEP

Michael Gallagher - REPM

Email:

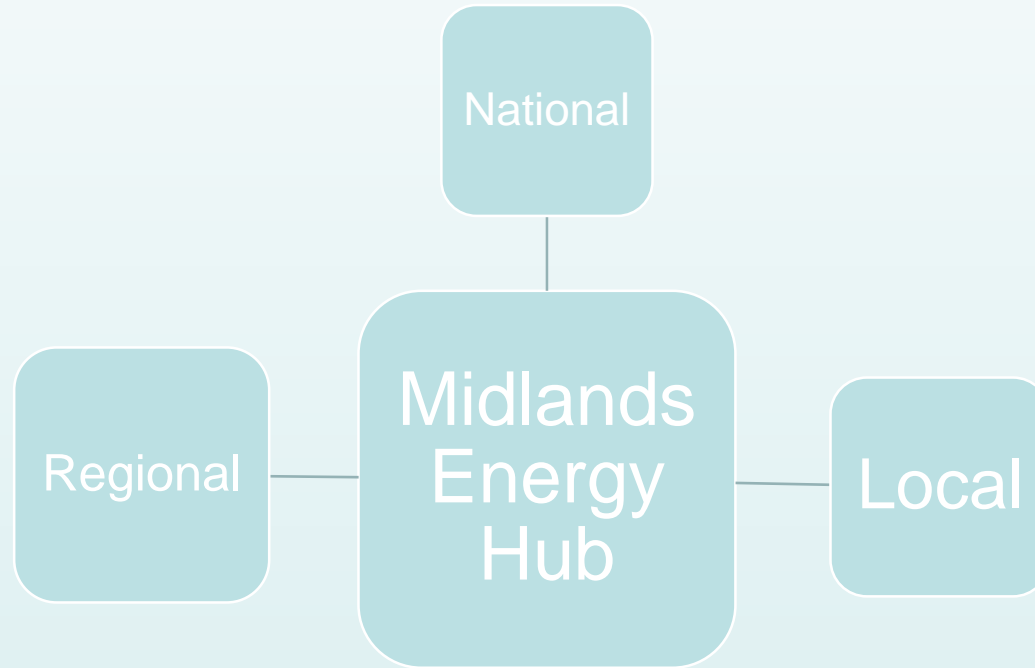
Michael.Gallagher@nottinghamcity.gov.uk

Mob:

07864 969755

- Energy Saving Trust - Energy Efficiency
- Hestia - Consultancy work, fuel poverty related SLAs with Local Authorities in the Midlands
- Mark Group - Solar PV design engineer
- JJM - Operations Manager, supply and installation of building integrated solar PV across the UK for the construction sector
- MSc in Energy and Industrial Sustainability from De Montfort University, Leicester

Advantage of the Midlands Energy Hub structure



Local Approach

- LAs and LEPs are key actors in facilitating the transformation of our energy system, but are under resourced
- Why does it matter to them:
 - Retain businesses, enhance productivity, increase economic growth, improve health, cross-sector cost reduction, meet carbon emission reduction targets
- Midlands Energy Hub – RSEPO provides a local presence and resource

Regional Approach

- Midlands Energy Hub has a regional presence
 - Regional Team meetings
 - Midlands Energy Hub Board meetings
 - Working Groups
- Strength of a regional team
 - Diverse skill set
 - Sharing of knowledge and good practice
 - Joint venture approach
 - Multi-project portfolio

National Approach

- Involvement in academic workshops and roundtable discussions
- Attendance at National Events
- Monthly Hub Lead meetings with BEIS
 - Enables knowledge sharing
 - Flag regional issues
 - Preventing duplication of work
 - Identify opportunity for inter-regional co-operation

Challenges

- Lack of resource / ambition – more than half of local authorities have made little or no progress on energy and climate change
- Where LA's are actively addressing energy and climate change, performance is very varied

Challenges

- Restrictive project development capacity and capability amongst local authority and LEP teams
- Lack of capital for the initial stages of project development
- Lack of scale of projects to attract private investors – most projects fall below £10m

Rural Community Energy Fund

- Midlands Energy Hub will administer £1.8 million RCEF fund for the Midlands Region
- Grants available for rural, community lead projects
 - Stage 1 feasibility grants < £40,000
 - Stage 2 grants < £100,000 for business development and planning of feasible schemes.

Rural Community Energy Fund

Each community receiving funds would need to agree to provide resources to Community Energy England for sharing across all new schemes and provide support to the Midlands Energy Hub on engaging other communities to develop a peer-to-peer support network to further build capacity at local level

Joint Venture Proposal

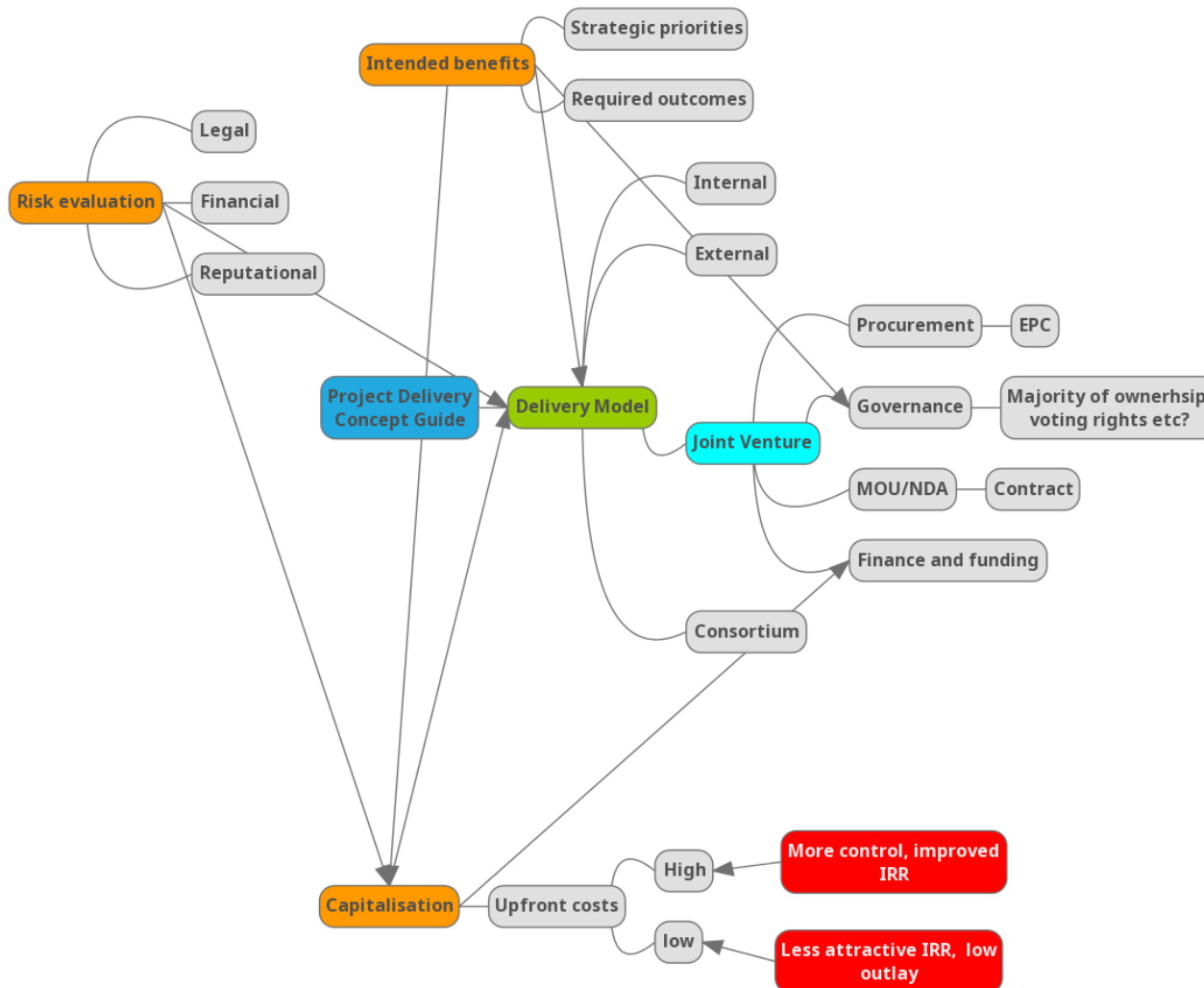
Aims

- Support the Regional Energy Hubs to deliver energy projects across the Public and Private sector
- Provide a generic guide and process, accompanied by example templates and case studies

Objectives

- Enable greater efficiency and understanding in establishing joint venture work
 - Preventing duplication of work
- Increase regional capacity to deliver Joint Venture Projects
- Ensure Joint Ventures are appropriate and sustainable

Structure



- Flow diagrams
- Case Studies
- Appendices
- Examples
- Templates


Outcomes

Organisations can identify

- Whether a Joint Venture is required
- At what scale the Joint Venture is required
- The appropriate vehicle for the project outcomes
- The optimal route and business model for funding / financing the project(s)
- Governance of the asset(s) and / or service
- Identifying and mitigating risks
- Understanding trade offs between different approaches

Areas for assistance

- Exemplar initiatives and case studies
- Examples of challenges and how they were overcome
- Templates for key documents and frameworks
 - For example – MoUs, NDAs, Contracts
- Networks for support and advice
- Feedback on structure and content
- What are the common challenges
- Managing expectations
- Who are the key stakeholders



Thank you
Any questions?

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MIDLANDS ENERGY HUB

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