Breakout Session: How to get connected

1. **Community Energy Strategy** - Introductions to the new Community Energy Team and the ongoing work to help guide our Community Groups through their projects.
   - *Louise Taylor/ Liam Cantwell*

2. **The Connections Process** – Explore how the connection process works, who the main points of contact are, what types of quotations there are, an overview of the journey of the process.
   - *Diane Griffiths*

3. **Strategic Optimisers** – Navigate through the purpose of strategic optimisers and understand what role they have with local authorities/regional areas.
   - *Becci Kannreuther*
Community Energy - Introductions

Liam Cantwell  
Community Energy Engagement Manager - SPD

Louise Taylor  
Community Energy Engagement Manager - SPM
Our Support Network

Community Energy

- Proactively working with Community Energy groups to raise awareness and support project development.
  - Awareness
  - Support
  - Signposting

Connection Applications & Enquiries

- Delivering a quality and standardised customer experience for all connections customers.
  - Connection Options
  - Connection Support
  - Connection Solutions

Strategic Optimisation

- Providing tools and services to Local Authorities, Local and Central Government to help them develop their local and regional energy strategies.
  - Decarbonisation plans
  - Regional Energy Strategies
  - Local Area Energy Plans
    - LHEES*

Flexibility Services

- Use Flexibility Service Providers to develop distribution markets which support our network.
  - procurement and delivery of our flexibility market solutions
  - support organisations with both registration and contracting with SPEN.

*Local Heat and Energy Strategy
Community Energy Groups:
10,284 members of community groups across our licence areas.

Community Energy Capacity:
19.3MW of potential electricity capacity.

Different Groups – Different Needs:
70 Community Groups involved in Community Energy projects at differing levels
Our Community Energy Strategy

As part of our ED2 Plans, we aim to set out commitments that provide support to stakeholders engaging with community energy, our implementation of these commitments is focused around three areas:

- **Support**
- **Awareness**
- **Strategy**

- **Technical Advice**
- **Education Outreach Activities**
- **Promoted internally and externally**
Supporting our Communities

We recognise the critical role Community Energy plays in our collective journey towards a sustainable future.
Raising Community Energy Awareness

Collaboration
- Partnering with key organisations to reach Community Energy Groups.

Multi-Channel Engagement
- Utilising diverse communication tools to connect effectively.

Targeted Workshops
- Delivering educational programs tailored to local needs.

Staying Informed
- Keeping stakeholders updated on resources and industry developments.

Active Participation
- Building relationships through industry conferences.
Building a Supportive Future: Our Community Energy Strategy Focus

Monitoring progress and adapting our strategy for maximum impact.

Utilising industry insights and stakeholder feedback to refine our strategy.

Conducting annual surveys to understand evolving needs.

Gaining regional and national perspectives to inform our approach.
Powering a Sustainable Future with Community Energy

SP Energy Networks is committed to supporting Community Energy initiatives across our distribution areas.

Utilisation of Community Energy:
We emphasise the crucial role Community Energy plays in achieving net zero targets, lightening the load on traditional networks.

Proactive Strategy:
A multi-faceted strategy that supports communities based on their needs.

Shared Journey:
We highlight the collective efforts made towards creating a sustainable energy future.
**Key Contact Information:**

Register as a stakeholder:
www.spenergynetworks.co.uk

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<th>Email</th>
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Connections
New Connections – Application Options

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**Budget Estimate**

I. Free of charge and with 20-day lead time.
II. POC will be assumed as being nearest to the site entrance.
III. The quote will be generated without a network study.
IV. Suitable if your project is not fully scoped, or shovel ready.
V. Costs may vary significantly from a Formal Quotation.
VI. Capacity can’t be reserved at this stage.

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**Feasibility Study**

I. In depth study will consider requested loads & identify connection locations & voltages.
II. Will look at likely capacity needs to understand tipping point for connection voltage.
III. Most suitable for advanced scoping of location & multiple load options.
IV. Charges applicable, vary according to load requirements (£500 - £7,000+).

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**Formal Quotation**

I. A least cost ‘offer’ as obligated by Ofgem and is valid for 3 months.
II. Can be extended for further 90 days subject to certain criteria.
III. Must be a single load application, with complete & relevant documentation/info.
IV. Most quotations will take 15 – 35 working days depending on voltage.
V. Costs apply (COE) over >250kVA, irrespective of quote acceptance.
Minimum Information Required for Application

- Site location plan & full address
- How much load or generation required
- Letter of authority
- If it’s a generation project – ENA & SLD form
Online Application

http://www.spenergynetworks.co.uk/pages/which_type_of_connection.aspx

Postal Application

SP Energy Networks
Network Connections
320 St Vincent St
Glasgow
G2 5AD

Telephone Application

0800 389 1783
Strategic Optimisers
Our Strategic Optimisation team supports Local Authorities and Regional Government bodies develop their energy plans and decarbonisation programmes

We can help Local Authorities by:

- Providing guidance, support, and optimeering to develop co-ordinated energy plans.
- Supporting the development of strategies, scenarios, and decarbonisation programmes.
- Analysing network project viability by determining future decarbonisation scenarios.
- Identifying commercial and strategic partnerships.
- Recognising whole system opportunities and feeding into appropriate plans and registers.
- Undertaking financial modelling and cost benefit analysis for decarbonisation initiatives.

Contact us: StrategicOptimisation@spenergynetworks.co.uk
Our Strategic Optimisation team

Our Strategic Optimisers work with 40 Local Authorities and 11 Regional Government bodies

Scotland (22 Local Authorities)
Local Heat and Energy Efficiency Strategies (LHEES)
- Developed during 2023 and published in 2024.
- Detailed Delivery Plans developed by March 2025.
- 6 Regional Energy Plans aligned with Growth Deals.
- Our LHEES tool supported Local Authorities complete the required analysis for their plans.

Wales (8 Local Authorities)
Local Area Energy Planning (LAEP)
- Developed during 2023 and being published in April/May 2024.
- LAEP outputs input will be into North & Mid Wales Regional Energy Plans.
- National Energy Plan for Wales later in 2024.

England (10 Local Authorities)
Local Area Energy Planning (LAEP)
North West Net Zero Hub:
- Consolidating LAEPs for 9 Local Authorities in Liverpool City Region Combined Authority and Enterprise Cheshire & Warrington.
Marches Forward Partnership:
- LAEPs for Shropshire Council and Powys County Council.
- Cross Boundary Regional Energy Plan.

Facilitating Net Zero
- Electric Vehicles ~39m ~5m
- Heat Pumps ~25m ~3m
- Generation ~4x ~5x
Low carbon technology optineering

Supporting Local Authorities and Regional Government to understand LCT opportunities

EV Charge Point optineering
Feasibility studies for the rollout of public EV chargers – 1,400 locations completed so far.

Heat Pump optineering
Analysis and cost / timescale estimates for heat pump rollout in off gas grid areas and social housing – 800 locations completed so far.

Renewable Generation optineering
Support and analysis for local energy projects and opportunities – 120 locations completed so far.
We initially developed our LANIT tool to support our Scottish Local Authorities develop their LHEES plans.

Enables Local Authorities to simulate the impacts of different heat & energy strategies on our network.

This tool:
- Supports Local Authorities in developing their LHEES / LAEP / REP
- Provides a view of current cable and substation capacity, constraints and required reinforcement work
- Informs our decision making on potential future network requirements.
- Promotes a shared knowledge around future network requirements.

For a demo, you can contact strategicoptimisation@spenergynetworks.co.uk.

The new version of the tool will be shared with Local Authorities in summer 2024.

We are now developing improvements to the tool for our England and Wales Local Authorities.