

SP Energy Networks Preparing for Net Zero Conference Wednesday 9th June 2021

Preparing for EV, Heat Pumps and Heat Networks



SPEN Preparing for Net Zero Conference

Wednesday 9th June 2021



Agenda

Preparing for Low Carbon Technologies:
Electric Vehicles and Heat

*Thank you for taking the time to attend
today.*

*We value your opinions,
and we are keen to generate an open
session with opportunities to hear your
feedback.*

13:30 – Welcome, Housekeeping and Safety Contact

13:35 – SPEN Website / Application Improvements

14:00 – Project CHARGE

15:00 – Heat Up Project

15:10 – ADMD Calculator

15:20 – SPEN ICE Commitments in 2021/2022

15:45 – Feedback and Q&A Session

16:00 – Close

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Wednesday 9th June 2021



Housekeeping

Preparing for Low Carbon Technologies:
Electric Vehicles and Heat

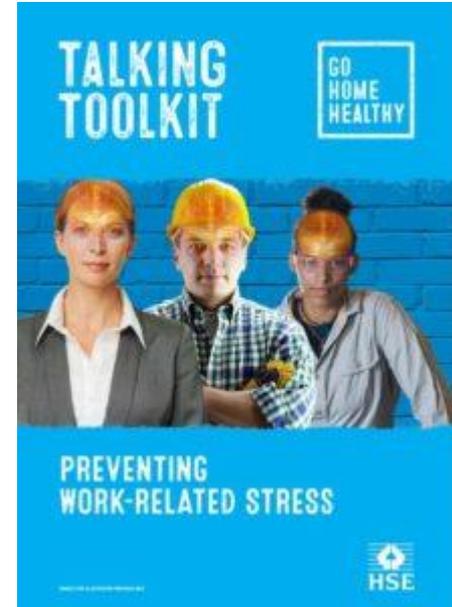
Thank you for taking the time to attend today.

We value your opinions, and we are keen to generate an open session with opportunities to hear your feedback.

- *This session is being recorded*
 - *please let Louise know if you are not comfortable with this and we will take your comments in the Chat section*
- *Please try and keep background noise to a minimum by using the mute button when you are not speaking*
- *We are keen for this to be an interactive session as your feedback is important*
 - *please raise your hand electronically or use the chat function if you would like to ask questions to the speakers*

Safety Contact

- According to the HSE, **stress, depression and anxiety are the second biggest cause of work-related ill health in the construction industry.**
- It is highlighted that the **earlier this problem is tackled, the less impact** it will have on workers and business.
- The **HSE have launched a preventing work-related stress in construction toolkit** aimed at small businesses with a regular workforce (employed and contracted) who want to start looking at this issue. It also aims to help site managers wanting to identify project-specific issues.
- This **demonstrates how far the construction industry has come in terms of physical safety protection** but still needs to support mental health.



<https://www.hse.gov.uk/stress/>

SPEN Website / Application Improvements

- ▶ Michael Alexander
- ▶ SPEN Business Change Project Manager

Changes to the application webforms

Why the need?

LCT equipment size and location information will enable SPEN to make informed decisions on where reinforcement of the network is required. The webforms will be changed to collect this information.

What's changing?

- Modernised look and feel – mobile friendly
- User experience improved with intuitive flow
- Follows common websites structure
- Simple to answer questions – less jargon
- Progress meter
- Add load calculator

Which forms?

- New Supply – information gathered and used on “energisation”
- Alteration to point of supply – information gathered and transferred to system
- Additional Load – information of existing devices gathered and transferred to system

Next Steps

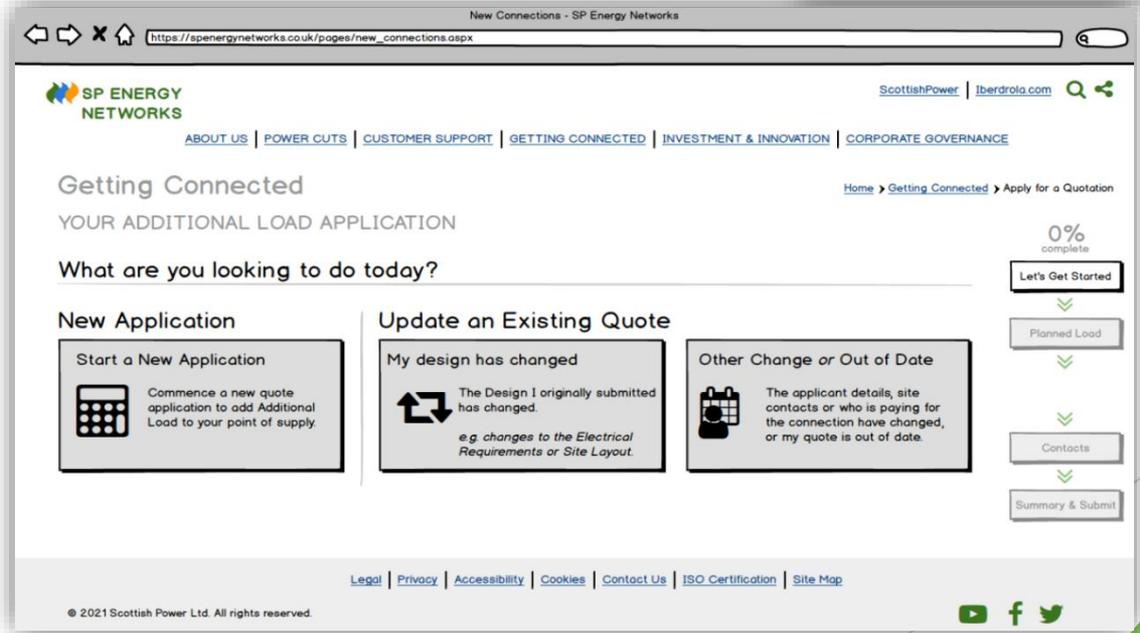
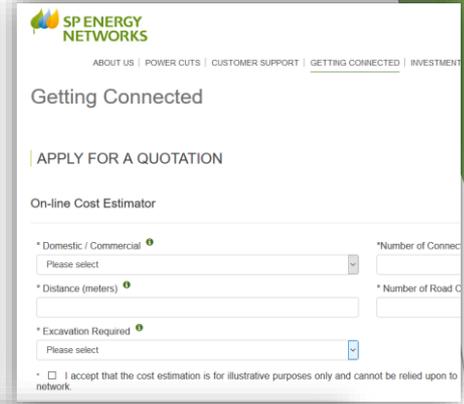
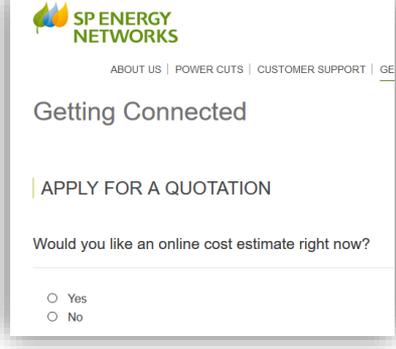
- User advisory group to review and feedback full changes

Drop downs removed

Yes/No removed

Mobile friendly buttons

Progress bar



Getting Connected

Home > Getting Connected > Apply for a Quotation

YOUR ADDITIONAL LOAD APPLICATION

Tell us about your Electrical Load and any proposed changes

What way do you currently heat this property?

<input checked="" type="radio"/> Gas, Oil or No Heating	<input type="radio"/> Storage Heating (Space & Water)
<input type="radio"/> Electric Central Heating	<input type="radio"/> Air Source Heat Pump
<input type="radio"/> Ground / Water Source Heat Pump	<input type="radio"/> Hybrid Heat Pump

And are you changing how you heat this property?

<input checked="" type="radio"/> No changes to Heating	<input type="radio"/> Storage Heating (Space & Water)
<input type="radio"/> Electric Central Heating	<input type="radio"/> Air Source Heat Pump
<input type="radio"/> Ground / Water Source Heat Pump	<input type="radio"/> Hybrid Heat Pump

Do you currently have any Electric Showers?

<input checked="" type="radio"/> No Electric Showers	<input type="radio"/> Electric Showers installed
--	--

And are you changing whether you use Electric Showers?

<input type="radio"/> No Change	<input checked="" type="radio"/> Electric Showers installed
---------------------------------	---

36% complete

Let's Get Started

Planned Load

Existing Load

Contacts

Summary & Submit

The questions are split between the Current and Future scenario. The first option for the Future Scenario is always the "No changes" option. The option chosen in the Current Question will be hidden in the Future Question.

To-Do - will update Progress Bar sections once approach is finalised.

No need to read the questions

Add load calculator

< PREVIOUS STEP

NEXT STEP >

Project CHARGE

- ▶ Geoff Murphy
- ▶ CHARGE Project Manager

Project CHARGE



Project Value **£8.5m**
Duration **January 2019 – December 2022**
Location **SP Manweb**

Through DNO led innovation, accelerate the deployment of public EV charging infrastructure



Public Charging Infrastructure

Chargepoints that can be used in the absence of privately owned domestic chargepoint:

On-Street Chargepoints



Typically 3 → 22kW_{ac}

Workplace Chargepoints



Typically 7 → 22kW_{ac}

Destination Chargepoints



Typically 7kW_{ac} → 50kW_{dc}

En-Route Chargepoints



Typically 50 → 350kW_{dc}

Increasing relevance of CHARGE

2030

All new car & van sales must be BEV or Hybrids*

40%

~% UK customers without off road parking

400,000

Estimate of public chargepoints required by 2030

35,000

Approximate number public chargepoints at present

** Ban of Hybrid sales comes into effect in 2035*

Key questions CHARGE will answer



Where is there growing demand for public chargepoints?

What is the most appropriate charger type and volume for each location?

What is the likely utilisation of the chargepoints?

Where can chargepoints connect without the need for reinforcement?

What connection options are there when network capacity is limited?

What are the costs to connect at every location?

Project Structure

Method 1 Transport Model



- Build of a full Transport Model for SPM
- Simulates the uptake and movement of EVs (2020-2050)
- Highlights the likely charging demand at destinations and along all routes
- Provides analytical data to inform investment decisions

Method 2 – Smart Charging Connections



- Generate understanding of the flexibility available from public chargepoints
- Development and trial of flexible connections bespoke to public chargepoints
- Assessment of performance of Smart Charging Connections (SCCs)
- Financial assessment of SCCs vs reinforcement
- Integration of SCCs as an option in ConnectMore

Method 3 - ConnectMore



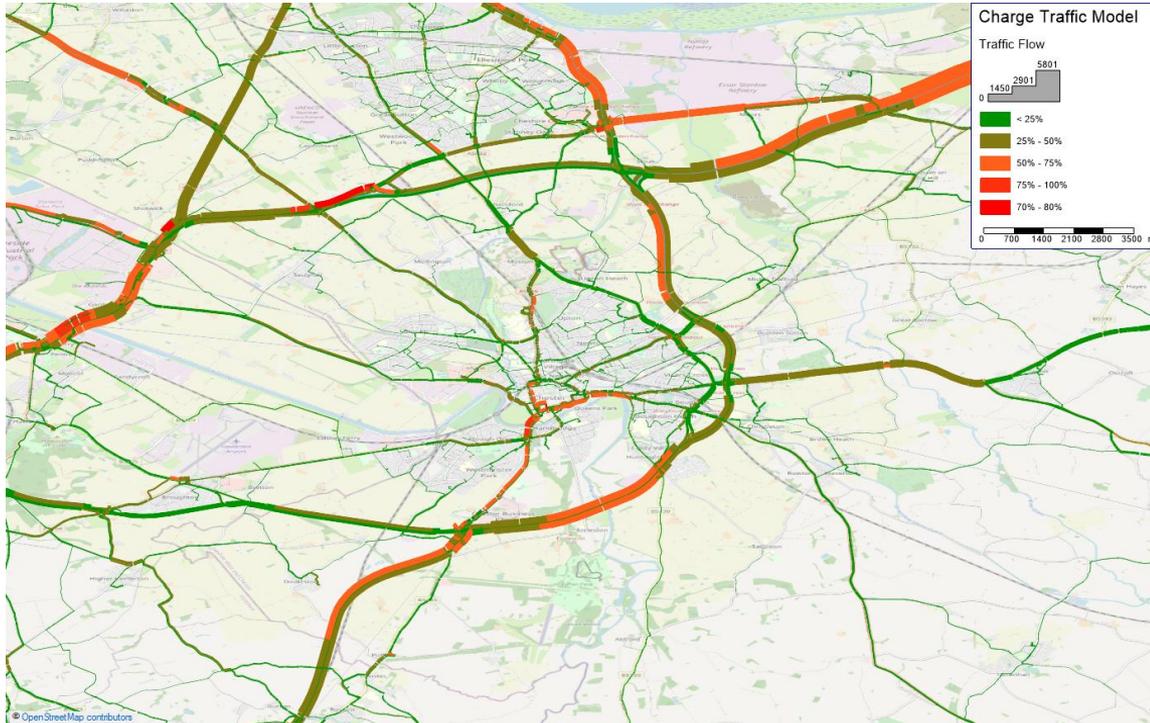
- Development and delivery of the online tool 'ConnectMore'
- Provision of Interactive Maps that hosts the Transport Model data alongside high granularity network capacity maps
- Enables customers to identify optimal locations to invest
- Provision of a Connection Cost Estimation tool for customers
- Taking time to generate connection cost estimates from weeks to minutes

The background features abstract, overlapping green geometric shapes in various shades, including light lime green, medium green, and dark forest green. These shapes are primarily located on the left and right sides of the frame, creating a modern, layered effect. The central area is a plain white space where the text is placed.

Laurence Chittock

Transport Modelling Lead, PTV Group

What is a Transport Model?



Digital representation of travel patterns across a region

Transport Model in Charge

1. Represents EV uptake

- In which neighbourhoods is EV uptake likely to be higher?

2. Helps understand energy requirements

- How much electricity required based on trip patterns and likely availability of charging?

3. Quantifies charging rollout requirement

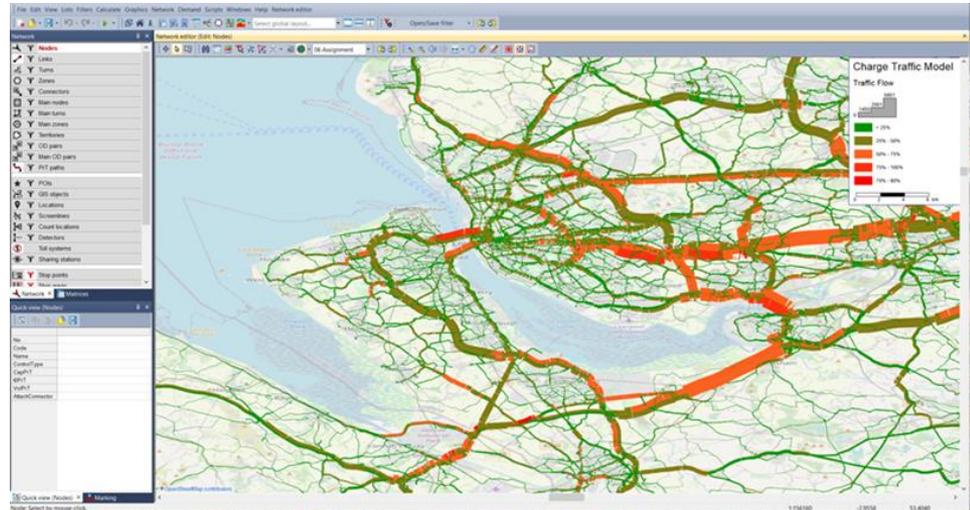
- What is the reliance on public infrastructure likely to be and where is it most needed?
- What types of infrastructure will be best suited to certain locations?



Charging Demand Data in ConnectMore

For every LSOA in ConnectMore:

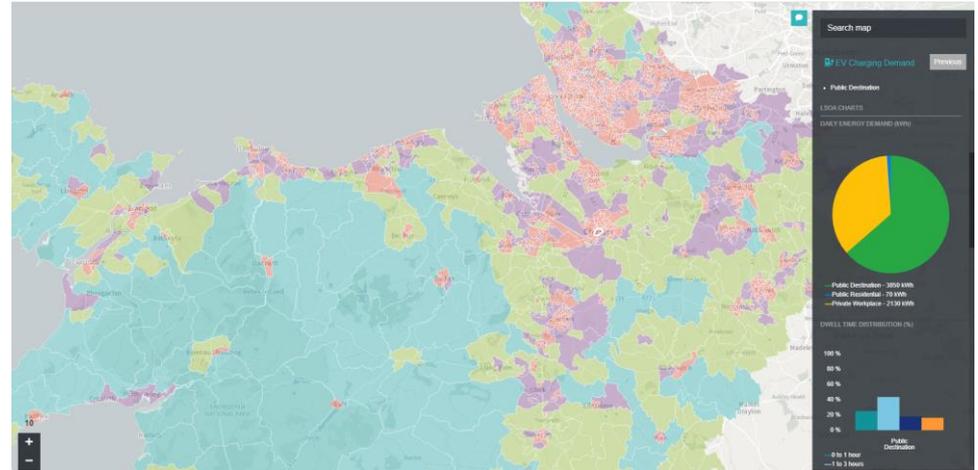
- Charging location data: Public destination, Public residential, private workplace
- Number of charging sessions
- Energy demand
- Dwell time
- Potential charger types
- Typical time of day patterns
- Number of EVs visiting an area



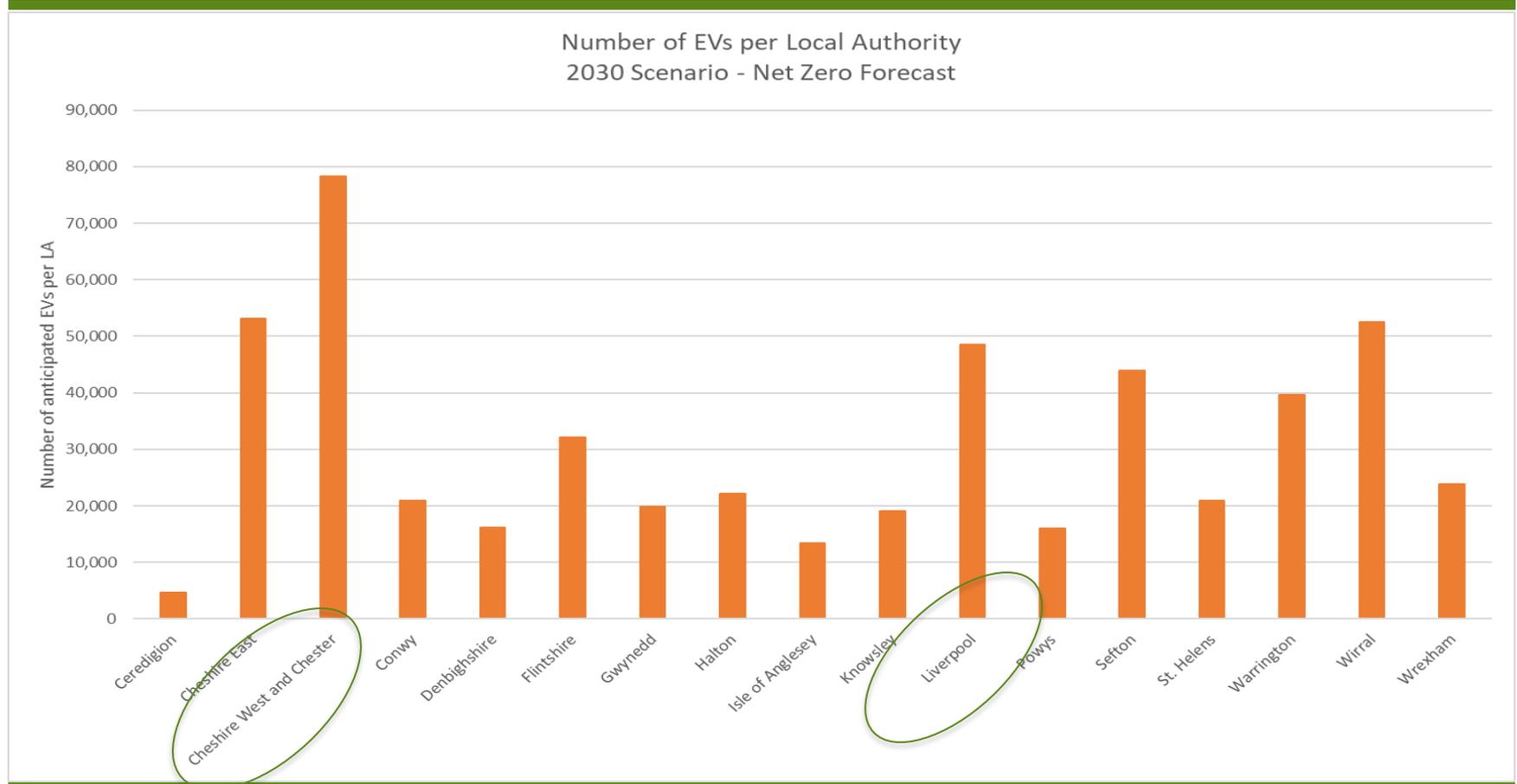
Transport Model Insights

Demand for public charging dependent on 4 main factors:

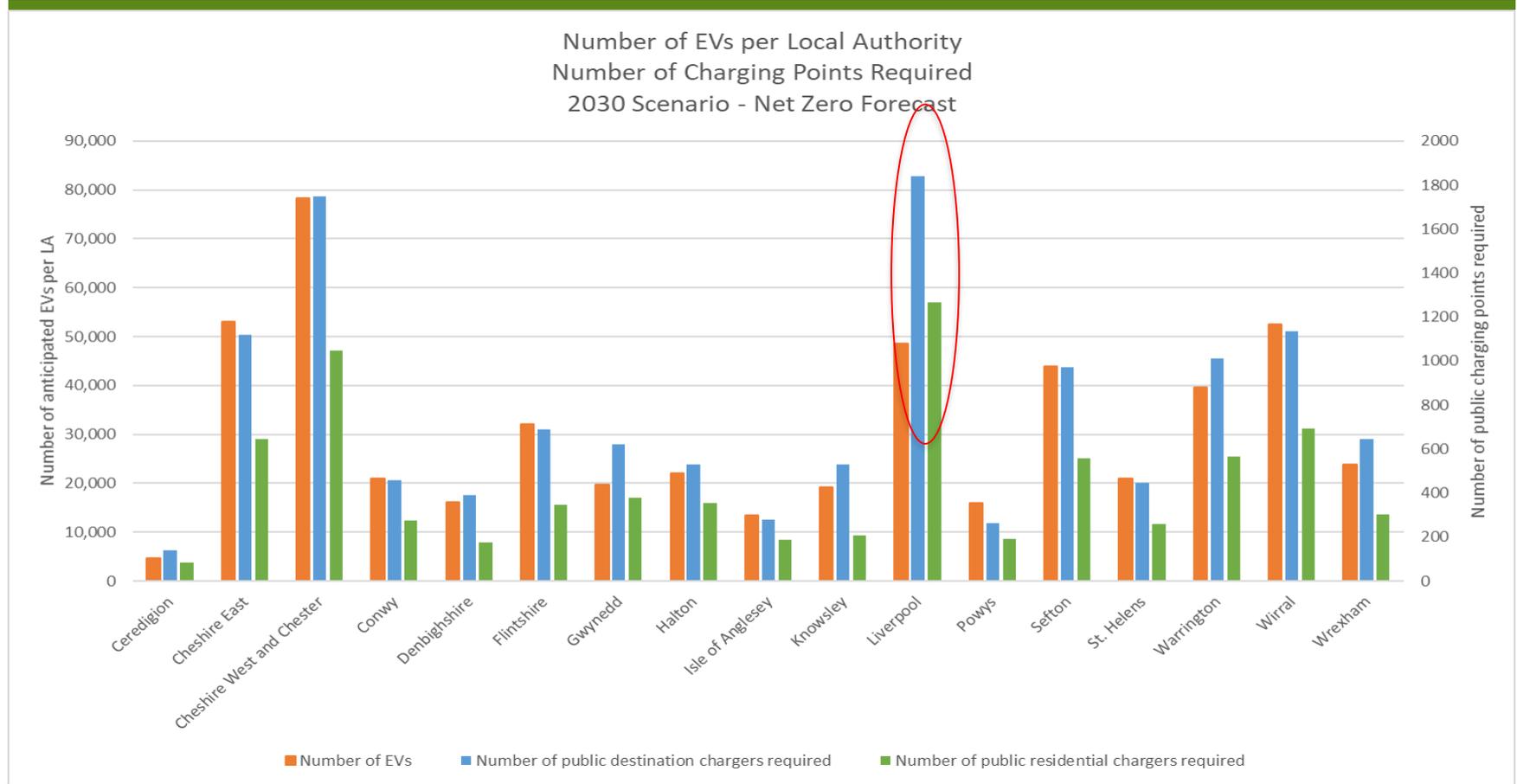
- Number of EVs visiting location
- Distance travelled to site
- Number of EVs without home charging
- Utilisation rate or Level of Service rate



Transport Model Insights – EV Uptake



Transport Model Insights – Requirement for Public Charging



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Ana Duran

Senior Consultant, EA Technology

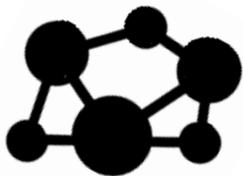
Agenda

- Update since we last met
- Roadmap – where are we?
 - Completed – what have we done so far?
 - In progress – what is coming soon?
 - Next developments
- ConnectMore Demo

Update since we last met

- Last presentation - LCCC on 10th March 2021
 - Explained what ConnectMore is
 - Presented a video on the development carried out to that date

- Developments since then:



Meshed networks



Download CSV
file (LSOAs)



Mobile/Tablet
user friendly



En-route
charging location
type

Roadmap – Where are we?



LV network
capacity
heatmap
Transport
heatmap



HV Capacity
heatmap
En-route
charging
location (5%)
LV cost
estimator
(unconstrained)



LV cost
estimator
(constrained)
HV cost
estimator
(constrained)

ConnectMore

BETA Demonstration

Question Break 1

Transport Model & ConnectMore

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the frame, creating a modern, dynamic feel. The central area is a clean white space where the text is placed.

Smart Charging Connections

What is a Smart Charging Connection?

Flexible Connections designed specifically for public chargepoints. They utilise the intelligence of modern 'Smart Chargers' to facilitate greater access to network capacity, but require chargepoint curtailment if the network becomes constrained

The Role of Smart Charging Connections:

- ▶ Enable DNOs to offer an alternative to a reinforcement led connection
- ▶ Applicable as either an enduring or temporary solution ahead of reinforcement
- ▶ Maximise the capacity of new and existing network that can be utilised by chargepoints
- ▶ Range and versatility should ensure there is a suitable solution for most locations
- ▶ They do not preclude participation with the Flexibility Services Market

Smart Charging Connections being explored

Customer Led Smart Charging Connections

DNO Led Smart Charging Connections

Time Constrained Connection Schemes

- Smart Chargepoints programmed by customer to constrain load to a set level at a set time/duration to avoid peak load times on network

Customer Load Management Schemes

- Smart Chargepoints are programmed by customer to ensure their collective demand does not exceed declared supply capacity of the connection

Locally Managed Constraint Schemes

- A single network constraint location is monitored by the DNO
- A local controller calculates and communicates the available capacity to the customer chargepoints which undertake any necessary constraint

Centrally Managed Constraint Schemes

- Multiple network constraint locations are monitored by the DNO
- A central platform coordinates the measurements, calculates and communicates the available capacity to the customer chargepoints

← Low Complexity

High Complexity →

Smart Charging Connections Animations

www.chargeproject.co.uk

Question Break 2

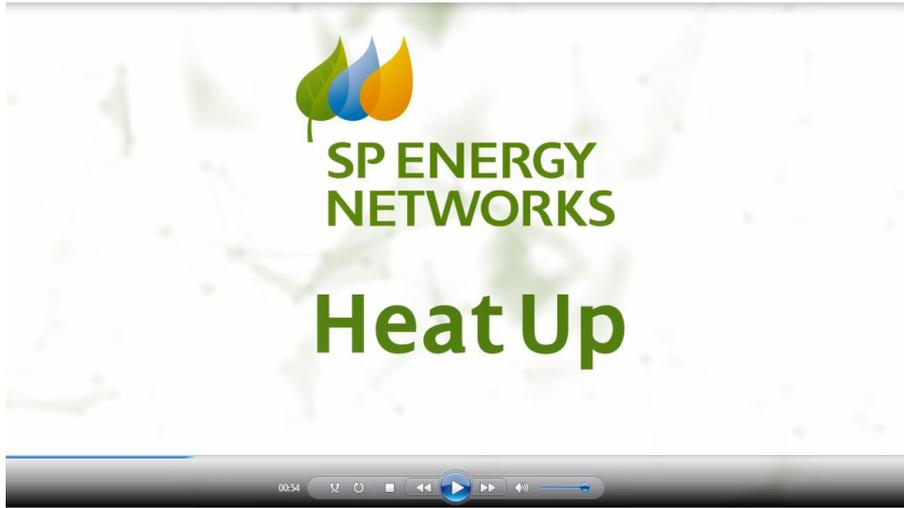
Smart Charging Connections

Heat Up & ADMD Calculator

- ▶ Jack Haynes - SPEN LCT Business Lead



Heat Up



- Project delivered
- Dissemination activities now taking place
- Outputs being integrated into BaU activities
- Version 1.1 being developed

► Project Press Releases



ADMD Calculator



ADMD CALCULATOR - LCT READY HOUSING DEVELOPMENTS



This calculator has been collaboratively designed by SPEN & SSEN to help our customers better estimate the required loads from housing developments, both new and existing, in terms of After Diversity Maximum Demand (ADMD).

One of the key benefits of the tool is allowing customers to incorporate the effects of major LCTs from the "home of the future". These being Electric Vehicle (EV) chargers and low carbon forms of heating.

This ADMD figure drives the amount of capacity required and should make the quotation process for required works easier and more accurate.

Version 1 of the tool is for developments of **20 houses or more** where the feeder will be sufficiently diverse. It is our intention to add functionality for less than 20 customers in future as well as incorporating other technologies.

The tool has been designed using a diverse evidence portfolio of live trial projects, academic research, technical datasheets from LCT manufacturers and monitoring data, amongst others.



- Tool launched on website
- Publicly available for IDNO, housing developers and other customers to use
- Jointly designed by SSEN and SPEN to enable consistent front
- Version 2 being developed for <20 houses

SPEN ICE Commitments

- ▶ Rachel Shorney
- ▶ SPM Stakeholder Manager

- ▶ Stuart Walker
- ▶ SPD Customer Engagement Manager

SPEN ICE Plan 2021/2022

We are proud to publish our 2021/2022 ICE Plan to highlight the work we will be completing over the next 12 months:

www.spenergynetworks.co.uk/pages/incentive_on_connections_engagement_ice_submission.aspx

Key topic areas include:

1. Policy Guidance
2. Communication
3. Customer Contact
4. ICP/IDNO Interface
5. Design Support
6. Land Rights
7. Project Management
8. Partnerships
9. Flexible Tenders
10. Project CHARGE

Also includes areas on:

- SPEN DSO Strategy & Flexibility
- Queue Management
- Connection Offer Expenses
- SPEN Energy Data Hub
- SPEN Connections Engagement
- Areas of Responsibility & Key Contacts

SPEN Energy Data Hub – pages 8 and 9

Helping our Customers prepare for Net Zero

SP Energy Networks are proud to launch the Energy Data Hub, which has been created to house all the data that we currently share to help our customers understand more detail about how our network operates.

This can be found on our website at: spenergynetworks.co.uk/energy_data_hub

The purpose of having an open data platform is to share data to open up opportunities for future development including new connections to our network, innovation, optimisation and decarbonisation.

This may be of interest to a number of parties: customers who may want to locate EV charging points, flexibility providers who may be interested in local capacity and potential for development, and anyone interested in SP Energy Networks' long-term development statement and data oriented strategies.



Mapping Data

Access to our SPEN DG Heat Maps, Utility Map Viewer, and Flexibility Requirements can be found at: spenergynetworks.co.uk/mapping_data

SPEN Distributed Generation Heat Maps

If you are thinking about installing a new generator to export electricity onto the SPEN distribution network, it will need to be connected to our network either through your existing supply or through a new electricity connection.

We have a series of heatmaps available on our website that will give you an indication of the network's capability and a better understanding of potential opportunities to connect your generator to the electricity network.

Our SPEN DG Heat Maps can be found at: spenergynetworks.co.uk/heatmaps

SPEN Utility Map Viewer

We provide free online access to our network records information on our Geographical Information System (GIS) through our Utility Map Viewer (UMV) system.

This access is available to companies, local authorities, councils and similar organisations through a web portal on an as-requested basis and can be found at: spenergynetworks.co.uk/utility_map_viewer

We can also provide 'kml' files of our network records information that customers can load onto their own Geographical Information System.

Please email: gettingconnected@spenergynetworks.co.uk if you would like access to these 'kml' files.

SPEN Flexibility Requirements

To meet our evolving customer needs, we are developing smarter, more flexible network solutions to help mitigate the need for traditional reinforcement and reduce costs for our customers.

We recognise that resources connected to our networks could provide services to assist in key areas that have specific challenges during periods of network constraint.

So, we are exploring markets for flexibility with new and existing customers who are able and willing to control how much they generate or who can control their demand.

Customers can find more information relating to the procurement of Flexibility Services, including our tenders, our current methodologies to select locations and how we value them, plus our contractual documentation on the following link: spenergynetworks.co.uk/flexibility

Strategic Documentation

Access to our Long Term Development Statement and Distribution Future Energy Scenarios can be found at: spenergynetworks.co.uk/strategic_documentation

SPEN Long Term Development Statement

This helps existing and future users of our network identify and assess opportunities for making new or additional use of our distribution systems.

We have provided an overview of the design and operation of the network for both of our licence areas, SP Distribution and SP Manweb.

Access to the SPEN Long Term Development Statements requires customers to register for the information in order to ensure our customers are viewing the most up to date version of the statements.

We have also provided summary statements for both our licence areas.

Access to the full registration form and/or to download the summary statements, please use the following link on the SPEN website: spenergynetworks.co.uk/LTDS

Distribution Future Energy Scenarios

The energy landscape is changing fast as the way our customers and communities generate, consume, and interact with energy evolves. Our role is to plan our distribution networks to facilitate their decarbonisation objectives and choices, and to enable their journey to Net Zero.

To achieve this, we need to forecast and understand our customers' changing electricity requirements – this is the purpose of our Distribution Future Energy Scenarios (DFES) forecasts.

Given the uncertainty and ever-changing policy landscape in which we operate, we have created forecasts for four scenarios, which reflect differing levels of consumer ambition, government/policy support, economic growth and technology development.

Following the publication of our DFES forecasts in June 2020, we engaged with a wide range of our stakeholders. We are grateful for the feedback received and look forward to continuing to engage with you and hear your insights. Such feedback is vital to ensuring that our forecasts reflect the plans and ambitions of the local communities we serve.

Our December 2020 updates describe how electricity generation and demand may evolve in our SP Distribution and SP Manweb regions over the next 30 years.

The SPEN Distribution Future Energy Scenarios for both our SPD and SPM licence areas can be found at: spenergynetworks.co.uk/dfes

Asset Data

Access to our Embedded Capacity Register and Transformer Loadings Register can be found at: spenergynetworks.co.uk/asset_data

SPEN Embedded Capacity Register

SPEN Embedded Capacity Register (formerly the Systems Wide Resource Register). This register has been developed to provide better information to electricity network stakeholders on connected resources and network services.

The register implements an industry agreed format which has been developed through the Energy Networks Association Open Networks project and has been adopted by all Distribution Network Operators (DNOs). It provides information on generation and storage resources (aTMM) that are connected, or accepted to connect, to SP Energy Network's distribution network and is updated on the 10th working day of each month.

SPEN Embedded Capacity Register can be found on the SPEN website using the following link: spenergynetworks.co.uk/capacity_register

SPEN Transformer Loadings Register

To facilitate the self-determination of POCs or for customers to simply complete their own optimisation analysis prior to formal application, SP Energy Networks has made the information on transformer loading available for our customers and stakeholders.

The transformer loadings for both our SPD and SPM licence areas can be found at: spenergynetworks.co.uk/transformer_loadings



SPEN Engagement Detail – pages 12 and 13

Our Connections Engagement During 2021/22

We recognise that the current restrictions and social distancing requirements necessary in response to the ongoing COVID-19 pandemic require us to alter how we continue to engage successfully with our stakeholders.

We have already hosted our 2020/21 engagements virtually, and we will continue our important engagement activities in this format for the foreseeable future. Our stakeholders continue to provide positive feedback on the extent and range of our engagements, and we are dedicated to delivering effective, worthwhile engagement for the benefit of our stakeholders.

We are proud of the range and depth of engagement we provide, and are always keen to hear our stakeholders views on how we can improve the engagement we offer.

Please contact us at gettingconnectedupdate@spenergynetworks.co.uk if you have any suggestions on how we can improve the engagement we currently provide.

"As the UK transitions to a post COVID new way of working, we will adapt our engagement accordingly, and reintroduce face to face meetings and conferences as and when the government guidelines allow"

Dates for the diary in 2021/22

CE Engagement Events – Update on progress

25/05/2021

SP Energy Networks Flexibility Forum

09/06/2021

SPEN Preparing for Net Zero Conference

16/06/2021

SPEN Connections Stakeholder Panel

08/09/2021

SPEN Preparing for Net Zero Conference

15/09/2021

SPEN Connections Stakeholder Panel

01/12/2021

SPEN Preparing for Net Zero Conference

08/12/2021

SPEN Connections Stakeholder Panel

09/03/2022

SPEN Preparing for Net Zero Conference

TBC

SPEN Connections Stakeholder Panel



Online Sessions

We are committed to helping our stakeholders and customers understand new policies and procedures as they arise.

We will continue to offer on line sessions to engage with stakeholders and provide updates on specific projects when appropriate.

Please contact us and suggest topics you would like to understand more about if you feel there are further subjects you would like us to cover in our online sessions.

Please contact us on gettingconnectedupdate@spenergynetworks.co.uk



Monthly Newsletters

Following feedback from stakeholders we have decided to provide regular updates on the key topics that are important to our stakeholders.

We have refined the format of our monthly newsletter, which now gives a regular update on the SP Energy Networks Drive to Decarbonisation, providing a monthly update on the work we are doing on the following topics:

EV, Heat, O&D/Flexibility, Innovation Projects, Policy Updates, Community Partnerships

Please let us know if you would like a monthly update on any other topics.

Please contact us on gettingconnectedupdate@spenergynetworks.co.uk

Would you like to have your say?

Please help us to engage with you – Register as a Stakeholder and get involved!

In response to positive feedback from customers and stakeholders, we continue to deliver a wide range of activities and engagements to help them take with us using their preferred communication channel.

This has led to an increasing provision of information published on our website and at our engagement events, to help our customers and stakeholders interact with us in the most effective and efficient manner for their own individual needs.

We have also increased the amount of information we provide for our registered stakeholders via email communication as many of them find this an efficient way for us to keep them informed.

We value the feedback we receive on how we can further improve our service and those interested in providing their views can register as a stakeholder using the link below.

Register as a stakeholder:
spenergynetworks.co.uk/register

Based on what you tell us you are interested in when you register as a stakeholder – we will invite you to a range of engagement opportunities such as workshops, conferences, meetings and consultations.

We will continue to shape our engagement to our stakeholder requirements and we would like to encourage all stakeholders to provide updates on the engagement we provide to ensure we fully provide any improvements necessary.

Open Door Policy

Due to the ongoing COVID-19 pandemic, we will be continuing our Open Door Policy via telephone or using MS Teams or Zoom.

We are keen to engage with any stakeholder and customer in any way they choose despite the lack of face to face meetings at present.

Please continue to contact our teams in both licence areas using the Area of Responsibility information at the back of his document, or the Contact Us page of our website, which can be found at:

www.spenergynetworks.co.uk/contactus

Email Communications

We continue to look for new ways to communicate with our stakeholders, and we have increased our email communications to our registered stakeholders during the ongoing COVID-19 pandemic.

Stakeholders have told us that this increased communication has been appreciated, and we plan to deliver further communications in this manner.

Please register as a stakeholder with us if you would like to receive ongoing communications and updates in this format.

Please register as a stakeholder:
spenergynetworks.co.uk/register

Please register as a stakeholder with SP Energy Networks so that we can keep you informed on all the improvements we are making.

Website

We have recently updated our SP Energy Networks website to bring the work we do for our major connection customers into a more prominent position on the Getting Connected part of our website.

We plan to make further enhancements to our website over the next 6 months and would welcome feedback to help us shape a platform that is beneficial to all customers and stakeholders.

If you would like to make suggestions for any further improvements you feel would prove beneficial.

Please contact us on gettingconnectedupdate@spenergynetworks.co.uk



SPEN Contact Details – pages 44 and 45

SP Distribution Licence Area Areas of Responsibility & Key Contacts

Each of our six geographical districts across the SP Distribution licence area cover all connections activities at 33kV voltage level and below

This Area of Responsibility List was created as a direct result of our stakeholders requesting information and access to our key contacts in our Districts and has been warmly welcomed.

● Edinburgh & Borders

District General Manager – David Christie
David.Christie@spenergynetworks.co.uk | 07753 623951
Head of Planning & Design – Sean Cavaghan
Sean.Cavaghan@spenergynetworks.co.uk | 07780 925327
Head of Delivery – Mark Everett
Mark.Everett@spenergynetworks.co.uk | 07753 624104
Head of Delivery – Colin Mackay
Colin.mackay@spenergynetworks.co.uk | 07753 622666

● Central & Fife

District General Manager – Ross Galbraith
Ross.Galbraith@spenergynetworks.co.uk | 07753 622658
Head of Planning & Design – Craig Graham
Craig.Graham@spenergynetworks.co.uk | 07753 623669
Head of Delivery – Danny Barlow
Daniel.barlow@spenergynetworks.co.uk | 07753 624063
Head of Delivery – Neil McDonald
Neil.mcdonald@spenergynetworks.co.uk | 07736 555453

● Glasgow & Clyde North

District General Manager – Alistair Menzies
Alistair.menzies@spenergynetworks.co.uk | 07753 624146
Head of Planning & Design – Rachel Pitt
Rpitt@spenergynetworks.co.uk | 07922 580788
Head of Delivery – Albert Santandreu
Asantandreu@spenergynetworks.co.uk | 07702511613
Head of Delivery – Ricky Knight
Ricky.knight@spenergynetworks.co.uk | 07753 622670

● Ayrshire & Clyde South

District General Manager – Angus Campbell
Angus.Campbell@spenergynetworks.co.uk | 07753 623778
Head of Planning & Design – Karl Watson
Karl.watson@spenergynetworks.co.uk | 07540 316029
Head of Delivery – Jack Duan
jduan@spenergynetworks.co.uk | 07702 663981
Head of Delivery – Martin Maxwell
Martin.maxwell@spenergynetworks.co.uk | 07894 604977

● Dumfries & Galloway

District General Manager – Aileen Rourke
Aileen.rourke@spenergynetworks.co.uk | 07918 197415
Head of Planning & Design – Kenny Bowie
Kenny.bowie@spenergynetworks.co.uk | 07753 624570
Head of Delivery – Neil Carruthers
Neil.Carruthers@spenergynetworks.co.uk | 07753 624579
Head of Delivery – Craig Cottrill
Craig.Cottrill@spenergynetworks.co.uk | 07921 115104



● Lanarkshire

District General Manager – Alistair Graham
alistair.graham@spenergynetworks.co.uk | 07753 624888
Head of Planning & Design – Derek Jessamine
Derek.Jessamine@spenergynetworks.co.uk | 07908 661496
Head of Delivery – Derek Drummond
Derek.Drummond@spenergynetworks.co.uk | 07753 623790
Head of Delivery – Stephen Siche
Stephen.siche@spenergynetworks.co.uk | 07834 575776

Other Contacts

EV Charging Team

Electric Vehicle Operations Senior Engineer – Ross Tierney
Rtierney@spenergynetworks.co.uk | 07710 917989

Land & Planning

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Stakeholder Engagement Team

Stakeholder & Community Engagement Manager – Rachel Shorney
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Stakeholder Engagement Manager – Stuart Walker
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Customer Engagement Manager – Louise Taylor
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Customer Engagement Manager – Fay Morris
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SP Manweb Licence Area Areas of Responsibility & Key Contacts

Each of our five geographical districts across the SP Manweb licence area cover all connections activities at 33kV voltage level and below



● North Wales

District Manager – Andy Churchman
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Head of Planning & Design – Gary Barnes
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Head of Delivery Wales – Sean Kennedy
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● Wirral

District Manager – Jonathan Hughes
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Head of Planning & Design – Ken Brassington
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Head of Delivery – John McWilliams
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● Dee Valley/ Mid Wales

District Manager – Sean Griffiths
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Head of Delivery Wales – Sean Kennedy
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● Merseyside

District Manager – Tom Walsh
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Head of Delivery – Paul Thomas
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● Mid Cheshire

District Manager – Jane Willie
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Head of Delivery – Steve Matthias
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Other Engagement Contacts

132kV System Design SP Manweb

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Mersey Lead Engineer – Jon Mitchell
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Cheshire/Mersey / Wirral Cheshire/Wirral Lead Engineer – Miles Buckley
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132kV Business Design SP Manweb

Business General Manager – Mark Sobczak
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132kV Programme Head of Delivery – Paul Ralph
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Stakeholder Engagement Team

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Stakeholder Engagement Manager – Stuart Walker
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Customer Contact Focus Group

We are aware that as the whole industry moves to net zero there will be more 'new / first time' customers who will want to make a connection to our network.

We will be initiating a Focus Group to help us fully understand all of our customer needs.

Initial introductory meeting arranged for:

- Wednesday 4th August 2021
 - 10:00 to 12:00

We propose the first session can be run as a 'Show and Tell' to give customers an overview of the improvements currently planned and take the opportunity to discuss other suggestions / requests.

Invites to all registered stakeholders and any customer who has applied for a connection in the last 12 months.

RAdAR Working Group

We will be re-invigorating the previous working group to identify further improvements required to RAdAR.

Suggest Quarterly Sessions:

- Wednesday 30th June 2021
- Wednesday 25th August 2021
- Wednesday 17th November 2021
- Wednesday 9th February 2022

We propose the first session can be run as a 'Show and Tell' to give ICP's the opportunity to explain the changes / alterations required.

Invites to all registered ICP's and IDNO's to ensure a full compliment of feedback is achieved.

Design Information Guidance Pack

- Plan to publish a more detailed pack showing the information available as part of the newly published Energy Data Hub on pages 8 and 9 of 2021/2022 ICE Plan
- Keen to include further information our customers think would be useful if it is possible / deliverable
 - Please suggest additional information required



LCT Examples Information Pack

- Plan to publish a more detailed pack showing further LCT examples following the information recently published
- Keen to include further information / LCT types and information that our customers need to understand
 - Please suggest additional information required
 - We will also be working alongside the Customer Contact Focus Group



Customer Journey for SPEN Earthing Policy

We are developing in draft format and will be sharing with stakeholders at this forum in September 2021.

Project Management Guidance Pack and Timescales

We are developing HV and EHV packs with all relevant standards and policies.

We also plan to publish a User Help Guide providing key tips for each of the policies and standard in 'lay person' terms, including pictorial evidence of do's and don'ts to help our customers understand the information provided.

Development of End to End Project Delivery Timescales Overview

We plan to use the existing templates for the various connection types. We will review and update the timescales for all key project types.

Joint SSEN / SPEN Witness Testing Process

SPEN, SSEN, Tesla and the Solar Energy Associations are working together to get a resolution to the current mandated witness / failsafe testing due to Neutral Fault Detection.

There will be a pilot process going live in next three weeks to test a Quality assured process which will significantly reduce the amount of testing.

Net Zero Forum

The proposed Net Zero Knowledge Community Forum and subsequent Book of Knowledge will commence in June 2021.

This is being developed with a core team of University, Utility, Manufacturers, Suppliers, House Builders and Local Authorities - approx. 20 strong.

Their role will be to create the tone of knowledge, highest impact and highest priority first and agree the best practice approach and share case studies.

The outputs from this core forum will be cascaded at larger forums and events and through monthly newsletters, culminating in a Book of knowledge aimed at plugging the gap to achieve net zero in the wider community.

Feedback and Q&A Session

- ▶ Rachel Shorney
- ▶ SPM Stakeholder Manager

- ▶ Stuart Walker
- ▶ SPD Customer Engagement Manager

SPEN Preparing for Net Zero Conference

Wednesday 9th June 2021



Thank you for your time today.

Your feedback has been useful and we will follow up and incorporate your comments when planning our next session.

Upcoming events for the calendar:

- Connections Stakeholder Panel
 - Wednesday 16th June – 10:00 to 12:00
- Customer Contact Focus Group
 - Wednesday 4th August – 10:00 to 12:00
- iIdentify Webinar
 - Wednesday 11th August – 10:00 – 12:00
- Preparing for Net Zero Conference
 - Wednesday 8th September 2021