

Wednesday 17th August 2022

SP Energy Networks RAdAR Working Group

Thank you for joining - this session will start at 10:00.

Develop a network that is ready for Net Zero Be a trusted partner for customers, communities and stakeholders Ready our business for a digital and sustainable future

AGENDA – RAdAR Working Group



10:00 – Welcome, Housekeeping & Safety Contact

10.10 – RAdAR Improvements

10.30 – ICP Updates

- LV / HV Template for ICP's
- POC Acceptance

10.45 – Review of ICP Safety Seminars

11.15 – Any other business / concerns from ICP's?

11:30 - Close

Develop a network that is ready for Net Zero Be a trusted partner for customers, communities and stakeholders Ready our business for a digital and sustainable future

Housekeeping



Thank you for taking the time to attend today.

- 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

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

Safety/Environmental Contact



Los Angeles air taxis 'ready for take-off in two years'



The Archer flying taxi can travel at up to 150mph ARCHER AVIATION

Air taxis will be flying through the skies above Los Angeles in time for the summer Olympics of 2028 if city officials and entrepreneurs have their way.

A Silicon Valley company is the latest to claim that it is close to creating viable electric vehicles that can offer short hops above the traffic-choked streets for not much more than the cost of an Uber ride.

Adam Goldstein, chief executive of Archer Aviation, told the Los Angeles Times that his vertical take-off aircraft, designed to travel 60 miles on a single charge at up to 150mph, would "completely change the way we live, the way we work", and could be flying within two years.



Rachel Shorney SPEN ICE Engagement Manager

RAdAR Improvements

Develop a network that is ready for Net Zero Be a trusted partner for customers, communities and stakeholders Ready our business for a digital and sustainable future

Background - Project Statement



- RAdAR (Register of Adopted Asset Requests) IT platform is the means by which the ICP and IDNO stakeholders apply for
 connections to SPEN in SPD and SPM
- RAdAR is an 'end of life' platform identified for upgrade or replacement moving forwards into ED2 with strategy with plans for future solution being driven by the wider strategic roadmaps for Connections, 'Relationship Management' and the ongoing evolution of SPEN's CRM solution
- Due to the age of RAdAR version, basic common features, expected as standard within modern customer facing application platforms, are not available and user experience is poor with limited upload capability, time outs, laborious search process all causing unacceptable process delays and blockers for ICP's & IDNOs and resulting in poor feedback being received within ICE survey results
- In 2021 a RAdAR Working Group was mobilised to work closely with internal and external users to understand key pain points and identify where small changes/minor improvement opportunities lie that, where implemented, provide significant usability improvements and processing time reductions, whilst awaiting delivery of long term, strategic solution.
- 5 areas of improvement were identified as key by nominated stakeholders during three RAdAR working groups in 2021 / 22 resulting in an ICE action for delivery of the improvements as follows:
 - Upload enhancements speed, file size and multiple drop
 - POC Register Improvement SLC15 Expiry Dates visibility
 - Search functionality improvements
 - Land rights flexibility added
 - Timeout increase duration

Business Benefit



Stakeholders RAdAR Improvements:

- Recommended file size to be uploaded proposed increase to 100MB.
- POC Expected Offer Date to be shown on the POC Registration page.
- Design Approval date shown against the list of live applications on the Design Approval page.
- Improved Search Function for SPEN Staff Contact Details.
- RAdAR time out to be increased from the existing 5 minutes to 45 minutes.

Benefits:

- Quicker time to make application due to ease of use improvements
- Quicker to assess applications due to more complete / higher level of detail application
- Less needless cancelation and reapplication due to small insignificant changes
- Greater satisfaction with longer up load time, increased speed and multiple file upload
- Land right area flexibility speed process of applications and improves the accuracy of applications

Next Steps



- TDA review and authorization of the proposal 24th August
- Formal mobilization of delivery Project in collaboration with SPEN CoE & IT w/c 29th August
- Vendor Development & Build commence 5th September
- Engage small group of nominated internal & external Stakeholders to support User Acceptance Testing activities – by end Sept
- Provide progress update to full stakeholder group within Working Group meeting of 13th October
- Maintain concurrent involvement and approval of progress against key steps from small group of nominated Stakeholders internally and externally throughout project lifecycle

User Acceptance Testing expected in early October

Looking for support from users to help support the User Acceptance testing

SP ENERGY NETWORKS

Timeline

Project	2022																													
SPEN Business Opex 2022:	June				July				August					September				October					November				December			
RAdAR ICE Enhancements	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26
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Solutions Architecture Group																														
Approval	X																													'
Business Opex Approved																														
Stategic Connections																														
Workstream Approval																														
Technical Design Authority												*																		
(TDA) Paper to Note																														'
Project Kick Off																														
Project Kick Off & Governance																														
tracking commenced																														——'
PO raised against vendor																														
framework																														<u></u> '
Finalise delivery plan with																														
vendor & SPEN IT																							1							<u></u> '
Engage & secure UAT Test																														
resource within WG																														
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^{*}IT Delivery timeline & plan to be finalised with SPEN IT & vendor by 02^{nd} September



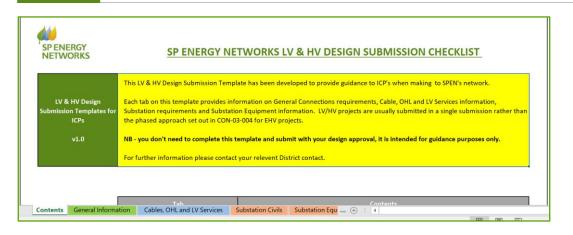
Rachel Shorney SPEN ICE Engagement Manager

ICP Updates

Develop a network that is ready for Net Zero Be a trusted partner for customers, communities and stakeholders Ready our business for a digital and sustainable future

LV/HV Template





The template is now in use for HV/LV projects, with the EHV version currently in development.

This has been emailed to all users of RAdAR along with a guidance document

If you have any queries on the guidance then please can you discuss with your SPEN design engineer.

Also, let the relevant Planning & Design manager know if the SPEN engineer rejects a design a approval without sending the new format template.



CiC Process- POC Acceptance Information Required



One of the requirements in CON-04-005 is the need to submit a letter of authority from the site developer which confirms the appointment of a specific ICP.

This should be on the developer's letter headed paper and signed by their authorised signatory. It should also have been signed no earlier than 3 months from the time of submission.

Finally, the letter should be specific to the project in question and not a generic statement.

Recent audits have identified this part of the process is not followed properly by ICP's and the letter is only submitted much later at the design approval phase of the project.

Please submit the letter of authority, a signed and dated copy of the quotation acceptance and copy of proof of payment at the POC acceptance stage in line with the requirements set out below



Register of Adopted Asset Requests (RAdAR)
Process for Contestable Connection Projects

CON-04-005 Issue 5 This helps us to ensure that the correct party is appointed and reduces the possibility of an avoidable design approval rejection.

- The POC acceptance should contain a Letter of Authority from the developer confirming the appointment of the ICP. The letter should follow the below conditions
 - Signed by the developer's authorised signatory on their letter headed paper
 - Dated within 3 months of the acceptance
 - Should be specific to the project in question (i.e. not generic)
- Copy of Signed and dated POC quotation acceptance section included within the quotation.
- Copy of Proof of Payment.



Stuart Walker SPEN Customer Engagement Manager

ICP Safety Seminars

Develop a network that is ready for Net Zero Be a trusted partner for customers, communities and stakeholders Ready our business for a digital and sustainable future

Fire Protection at it's best





- ► Aldgate East was an issue in one of the apartments.
- ▶ MSDB and services all secure behind fire retardant doors.
- ► Earth bar at the top so bars not removed.
- ► Good design and installation.
- ► Can sleep at night again.



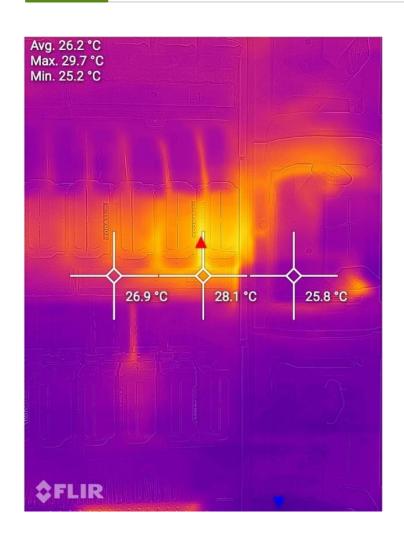


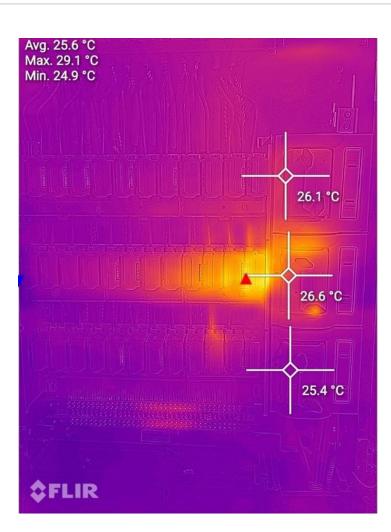


Tests that can and should be done









- Thermal imaging software available for use on mobile phones.
- Inspection of all installation by jointing team involved.
- ► A few hot spots detected and rectified.
- ► Earth bar at the bottom so jointer had removed the bars.

OHL Collision Avoidance



OHL Collision Avoidance aims to develop innovative solutions that could assist in preventing OHL strikes. The project will develop a user friendly, retrofitted device/app that will alert vehicle operatives when they are either in close proximity or in direct contact with the overhead line network.

DNO GIS/LiDAR data will be utilised to develop an App/Device that will alert users to proximity to OHL assets. The App would support both online and offline environments using localised caching of data, to assist remote field work in areas with poor cellular network coverage. The data would include network-operator defined parameters for the maximum allowed distance before an alarm would sound that can be defined at a global, per-type and per-asset level.

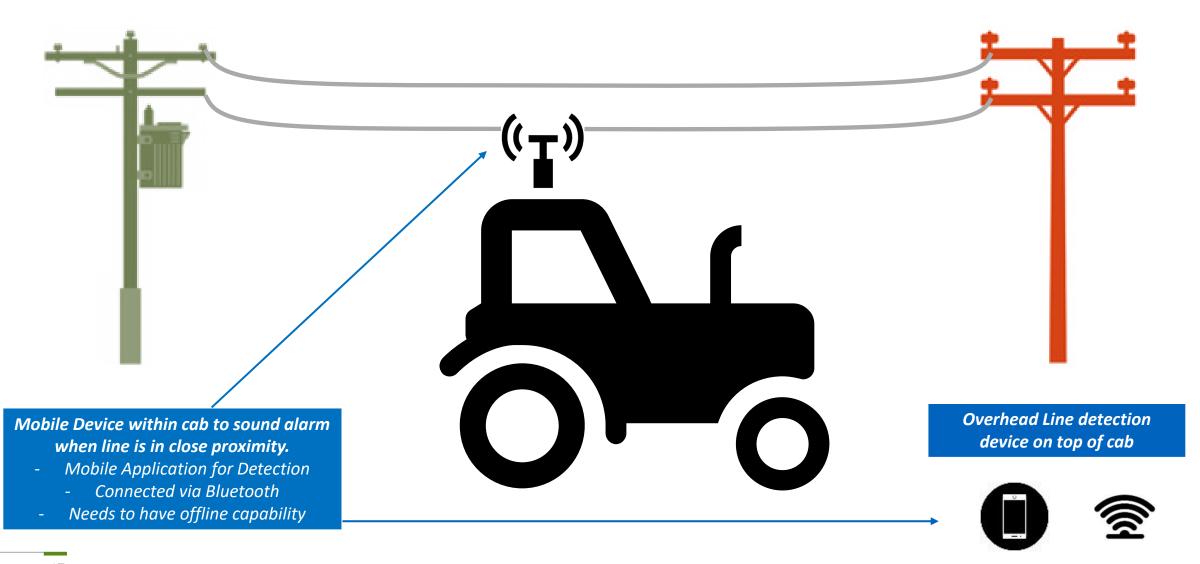
This project is being managed through the Energy Innovation Centre (EIC). Northern Powergrid will be the lead network with SP Energy Networks and SSE the other project partners.

OpenGrid Systems and Sheffield Hallam University will be the main non-DNO project partners



SPEN OHL LiDAR Innovation

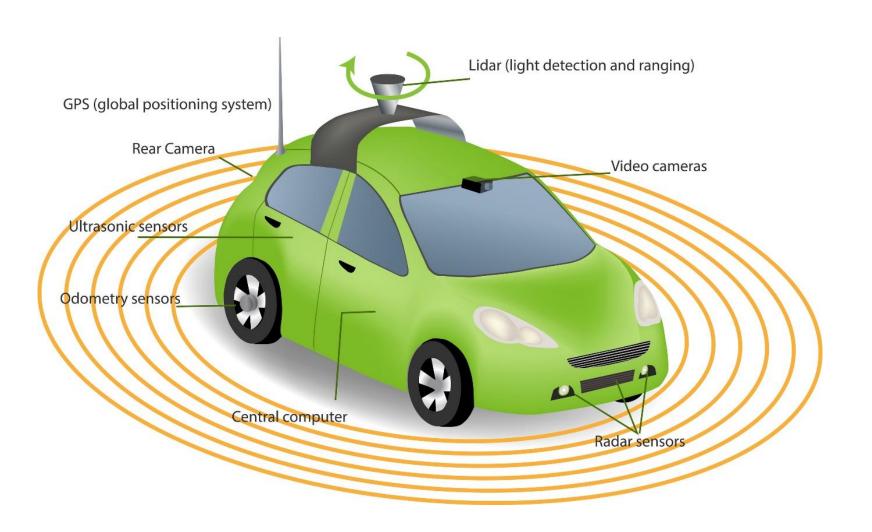




Existing technology on the market







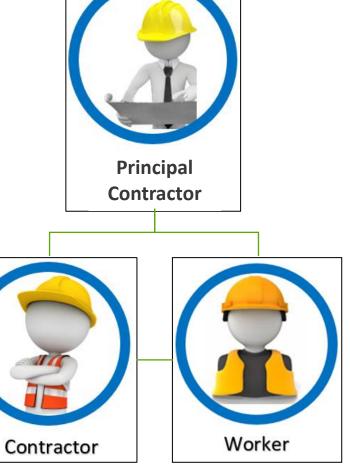
The key CDM duties – which one are you?











Our Health & Safety Essentials



The 5 Health & Safety Essentials – part of our DNA



We follow our processes, rules and procedures

Health and safety rules are based on our experience and legal requirements – compliance with them is everyone's responsibility. It makes sense to follow them and don't be afraid to challenge unsafe practices. No one should get injured following safe procedures.



We promote health and wellbeing, in and outside work

Know the health risks we may be exposed to at work and ensure that we are aware od the controls in place that help protect us. Don't ever come to work under the influence of drugs and alcohol. Health behaviours help us stay fit for life and fit for work.



We only undertake work we are competent to do

Know the risks, know your limits and maintain your competence. Take responsibility before you start work – make sure you are able to do it safely. Only undertake work you are authorised to do.



We look out for each other and work as a team

We will always look out for each other and work towards the same objective – going home safely. Understand your own responsibilities within the team and listen to each other's concerns. Silence is consent – always constructively challenge unsafe behaviours and decisions.



We think before we act, assess and control the risks

Take 5 before you act – be aware of your situation and surroundings. Assess and understand risks, implement and comply with controls. If it looks or feels unsafe it probably is!

Our next ICP Safety Seminar



We are now starting to plan for next year's ICP Safety Seminar:

Thursday 16th February 2023

Is there anything specific you would like to hear about?

We suggest:

- Coping with Heat Waves and Flooding Climate Change Driven
- Neutral Current Diversion policy
- EV Charging in Sub Stations to enable EV fleet migration

SPEN Contact Details SPD Pages 40-41





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 Climie
david.ckmie@ji.penergynetworks.co.uk | 07753 623951
Head of Planning & Design – Sean-Gavaghan
wars.gavaghan@ji.penergynetworks.co.uk | 07789 925327
Head of Delivery – Genard McKarown
gmckeown@spenergynetworks.co.uk | 07753 624383
Head of Delivery – Tervor Weddell
trevor.weddell@spenergynetworks.co.uk | 07753625031

Central & Fife

District General Manager – Ross Galbraith
ross agibraithi@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 | 07753-624163
Head of Delivery – Neil McDonald
neil.mcdonald@spenergynetworks.co.uk | 07736-555453

Glasgow & Clyde North

District General Manager – Alistatir Mencies distatir.menzies@spenergyneboorks.co.u.k | 07753-624146 Head of Planning & Design – Rachel Dorosghae rdonoghue@spenergyneboorks.co.u.k | 07922-580788 Head of Delivery – Albert Santandreu auritandreu@spenergyneboorks.co.u.k | 07702511613 Head of Delivery – Bicky Knight Cricky knight@spenergyneboorks.co.u.k | 077025162670

Ayrshire & Clyde South

District General Manager – Albem Rourke albem zourkeijispenengynetvorks.co.uk. | 07918 197415 Head of Planning & Design – Karl Wathon karl wathonijispenengynetworks.co.uk. | 07540 336029 Head of Delwery – Jack Evans jaevanvijispenengynetworks.co.uk. | 07702 663981 Head of Delwery – Martin Maravell martin.maraveljispenengynetworks.co.uk. | 07894 604977

Dumfries & Galloway

District Ceneral Manager – Alleen Rourke alleen.rourkin@spenergynetworks.co.uk | 07918 197415 Head of Planning & Design – Kenny Bowle kerny,bowle@spenergynetworks.co.uk | 07753 634570 Head of Delivery – Neil Carruthers rell.carruthers@spenergynetworks.co.uk | 07753 624579 Head of Delivery – Craig Cottrill craig.cottrill@spenergynetworks.co.uk | 07921 113104

Lanarkshire

District General Manager — Allstair Graham alistair graham [[ispensegynetworks.co.uk.] 07753-624888 Head of Planning & Design—Derek Jessamine derek Jessamine derek Jessamine healigspensegynetworks.co.uk.] 07918-661496 Head of Delivery — Derek Drummond derek drummondijs spensegynetworks.co.uk.] 07753-625790 Head of Delivery — Stephen Sichlistophers.ichligi spensegynetworks.co.uk.] 07834-575776



Other Contacts

Stakeholder Engagement Team

Stakeholder & Community Engagement Manager Bachel Shorney (Expense) pretworks.co.uk | 07755-623888
Customer Engagement Manager - Stuart Walker
shart walker (Capense) pretworks.co.uk | 07800-951841
Customer Engagement Manager - Enable Taylor
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Land & Planning

Head of Land & Planning – Bons Backer
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Obstribution Land Manager – Suny Killin
skilling spennergymetrocks.co.uk. 07548 70740
KE & Net Zero Engagement Manager – Stauet Woker
staart vaslandig spennergymetrocks.co.uk. 107800 951043

Low Carbon Technology Team

Low Carbon Technology Operations Sentor Engineer -Ross Tierney

riterney@spenergynetworks.co.uk | 07710 917989 For any Low Carbon Technology queries please contact: litupplicationnorth@spenergynetworks.co.uk

Desk Top Quote Team

Service improvement Manager – Julie Carlton julispe Laritoniji sponenzynetworks.co.uk | 07834 575777 Consections Services Manager – Sleven Dammone steven dammoneljingerenzynetworks.co.uk | 07753 624226

New Connections

For all twe Connections please contact: gettingconnected() scottlehpower.com or call ISHS 270 ISTES

Unmetered Supplies

Project Support Team Leader – Allhon Mounting amounting/signment/yestrocks, co.uk. (27614-12679). For any Street Lighting quelies please contact: shorthis/scottin/poses.com.

SPEN Contact Details SPM Pages 42 to 43





Merseyside

District Manager – Torn Walsh trushnijspenergynetworks.co.uk | 07755 624439 Head of Planning & Design – Neil Woodcock neil woodcockijspenergynetworks.co.uk | 07753 624072 Head of Delivery – Paul Thomas paul thomasijspenergynetworks.co.uk | 07501 223071 For any Menseyside District queries please contact:

DesignMersey@spenergynetworks.co.uk

Mid Cheshire

Diotrict Manager – Jane Willde Jane willder@spennergynetworks.co.uk | 07702 152846 Head of Planning & Design – Kern Brassington Iam brassington@spennergynetworks.co.uk | 07755 624053 Head of Defivery – Serve Marthian steven.matthian@spennergynetworks.co.uk | 07725 410097 For any Mid Cheshire District queries plane contact wiralconnections@spennergynetworks.co.uk

North Wales

District Manager – Andy Churchman
andychurchmaniy spenergyrethoaris.co.uk. | 07841 865065
Head of Planning & Design – Eugene Kernny
eugene komny@spenergyrethoaris.co.uk. | 07751624261
Head of Delivery Wales – Sean Kennedy
skernedy@spenergyrethoaris.co.uk. | 07753 624400
For any North Wales District queries please contact:
DesignNorthWales (ijspenergynethoaris.co.uk.)

Wirral

District Manager – Jonathan Hughus
jonathan hughes (inpenergynetworks.co.uk | 07753 624452
Head of Planning & Design – Ken Brassington
ken. brassington (inpenergynetworks.co.uk | 07753 624053
Head of Delivery – John McWilliarns
john.mcwilliarns (inpenergynetworks.co.uk | 07753 624329
For any Wirral District queries plane contact:
wirsalconnections(i) spenergynetworks.co.uk

132kV System Design SP Manweb

Distribution Network Manager (SPM) – Steve Withell steve, withfullighprinergy metworks.co.uk | 07736081778 North Wales / Dee Valley and Mid Wales
Lead Engineer – Andly Beddoes and, beddoes lighteer – Jon Mitchell | 0751623822 Mensey Lead Engineer – Jon Mitchell | jonatharumitchelligi spenergyretworks.co.uk | 07753624001 Cheshira/Mensey / Wirrad Cheshira/Menal Lead Engineer – Miles Buckley | miles.buckley@spenergynetworks.co.uk | 07753624271 For any 132k9 System Design queries please contact System Design Connoctions South I (19079) penergynetworks.co.uk | 07753624271

132kV Business Delivery SP Manweb

Business General Manager – Mark Sobzaak mark sobzaskijis penengynetworks.co.uk | 07753 623735 132kV Programme Head of Delivery – Damian Cartwright damian.cartwright@spenengynetworks.co.uk | 07753 62256



Other Engagement Contacts

Stakeholder Engagement Team

Stale-holder & Community Engagement Manager - Rachel Shorrey rachel shomey (in spermony vertexniks, coult.) 67751 623008. Customer Engagement Manager - Struct Walker shuert, walker (in spermony proteories, co. uk.) 67800 953141 Customer Engagement Manager - Louise Taylor louise, taylor (in spermony networks, co. uk.) 67753 624442 Customer Engagement Manager - Fay Moons, Fay months) spermony engagement (pumine phase contact optimic commonish spermony customer phase contact optimic commonish cystistics) spermony punitworks, co. uk.

Land & Planning

Head of Land & Planning—Bons Buster
ross, baster (syperangymetworks, co.u.k.) 07753-623724
Daterbatten Land Manager—Suzy Killin
skilling sperangymetworks, co.u.k.) 075487-07840
Distribution Land Team Leader—jo Sides
putlins(sperangymetworks, co.u.k.) 0141-614-5055 07753-86048

Low Carbon Technology Team

Low Carbon Technology Applications - Stacey Rodgentrodgensin spennegynethemis, cr. uk. 1077/2064640. For any Low Carbon Technology queries please contact: Ictapplicationsouth/spennegynetworks.co.uk.

Desk Top Quote Team

Senice Engovernert Manager - Julie Carloon Julieps carlon jingenneng menterbicks o.b. 1918/4575777 Carps Carlos Services Manager - Ceeg Albimon galikesan jingeneng meterbicks o.b. 197753 623724

New Connections

For all new Connections please contact: gettingconnection(glacotth)hposes.com or call 0845 270 0783

Unmetered Supplies

Street lighting enquiries: street lighting is pareney proteonio.co.uk. UMS Project Leader – Nell Flanagen nell flanagen (is pareney proteonio.co.uk.: G770266.1833. Project Support Team Leader – Gill Steel gill. steeligi pareney proteonio.co.uk.: G7814962403

Our Connections Engagement Planned in 2022/23



Dates for the diary in 2022/23:

- 14/09/22 Preparing for Net Zero Conference
- 13/10/22 RAdAR Working Group
- 07/12/22 Preparing for Net Zero Conference
- 11/01/22 RAdAR Working Group
- 23/02/23 ICP Safety Seminar
- 08/02/23 Customer Contact Focus Group
- 08/03/23 Preparing for Net Zero Conference
- 29/03/23 RAdAR Working Group

Please help us to engage with you.

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

ICE – Questions and Feedback



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 gettingconnectedupdates@ spenergynetworks.co.uk

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 Areas of Responsibility information at the back of his document, or the Contact Us page of our website, which can be found at:

spenergynetworks.co.uk/ contactconnections

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.

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

Dates for the diary



Upcoming event:

• 14/09/22 - Preparing for Net Zero Conference

Please register for our next events at: spenergynetworks.co.uk/stakeholderevents

Thank you for your time today.

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

Please register as a stakeholder if your would like to receive further updates from us:

spenergynetworks.co.uk/register