



10th November 2025



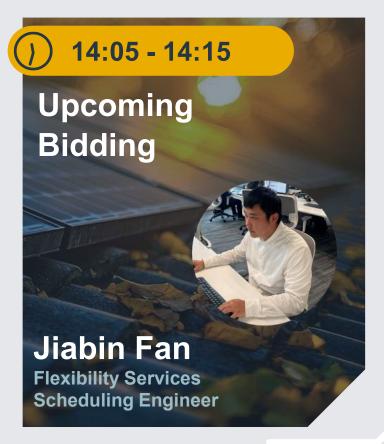
Scottish & Southern Electricity Networks



AGENDA











WELCOME & INTRODUCTION

Paul Fitzgerald

DSO Flexibility Markets Manager





ABOUT SSEN DISTRIBUTION

One of six DNOs in Great Britain, our electricity distribution network delivers power to over 3.9 million homes and businesses across the diverse and unique geographies of the north of Scotland and central southern England.

OUR PURPOSE

We power communities to **thrive today** and create a **net zero tomorrow**

OUR VISION

We're powering change with every connection

OUR FOUR PRIORITIES



Delivering a safe, resilient and responsive network



Providing a valued and trusted service for customers and communities



Accelerating progress towards a net zero world



Making a positive impact on society

OUR DISTRIBUTION NETWORK AT A GLANCE

Over **3.9 million** homes and businesses

More than **944,370** customers on our Priority Services Register

Over **128,000km** of overhead lines and underground cables

Over **460km** of subsea cables powering our island communities

Over **4,100** employees across the country

Figures as of June 2024





CENTRAL SOUTHERN ENGLAND (SEPD)



OUR ROLE AS A DISTRIBUTION SYSTEM OPERATOR (DSO)

A SUCCESSFUL TRANSITION TO NET ZERO REQUIRES

- Greater utilisation of **flexible energy resources**, across electricity, heat and transport.
- A clear understanding of the value flexible resources can provide at any one time; and
- Greater real-time coordination in energy system operation to ensure that flexible resources can be 'optimised' across the energy system as a whole.

These services are being provided through functions within the Distribution Network Operators called Distribution System Operators (DSOs), which have three core areas:



Our DSO Toolkit



Strategic Investment

- Provide the capacity on the network to deliver net zero by 2050.
- Ensure that we're making appropriate use of flexibility services to deliver efficient whole-system solutions at the optimum time.

Flexibility services

- Mid-term solutions that enable us to use our existing network efficiently
- Acts as an investment signal for Strategic Investment
- Provides an interim solution if there are long lead times for Strategic Investment

Access products

- Connecting customers now, but with some level of compromise.
- Complemented by flexibility services or strategic investment to meet customers full needs as soon as possible.









FLEXIBILITY IN ACTION



203 Constraint zones in ED2

Value Deferred Across ED2 Flexibility Dispatched Costs ED2

£236.9M

£640,846K

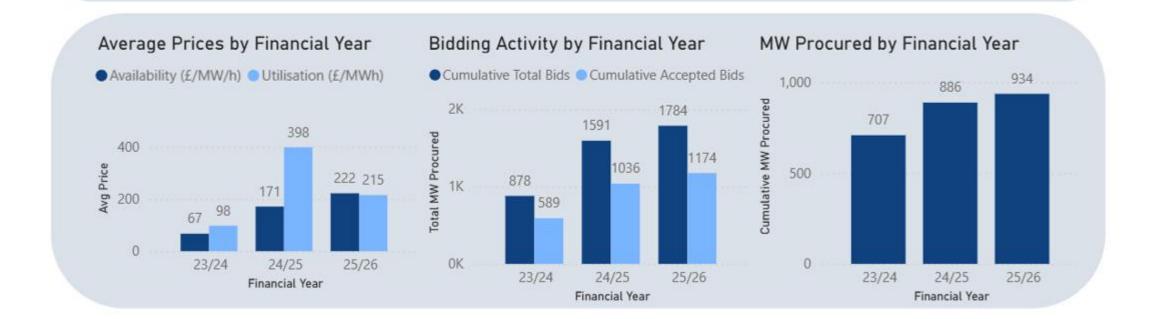
Flexibility Requested ED2

2,737

Flexibility Procured ED2

934.2

934.2 0 2,737



INTRODUCTION TO DAY AHEAD

- We are expanding our flexibility markets to include a Day Ahead Scheduled Utilisation market
- We will operate this market when we have a shortfall in previous VAOU or SAOU bidding rounds
- Managing the risk of flexibility shortfall is critical to the safe and secure operation of the network
- Operating a Day Ahead markets allows us to go back out to the market in areas where the **network risk** is **high**
- We can consider **new opportunities** for flexibility, such as operational needs with short lead times
- We need your help to achieve this!

Payment is guaranteed if your bid is accepted

Market Dispatch Decisions



Scheduled Utilisation

- Long term bidding (1 year ahead)
- Utilisation and instruction is confirmed at trade*

Variable Availability Operational Utilisation (VAOU)

- Long term bidding (1-2 years ahead)
- Planned five weeks ahead and utilisation is confirmed and instructed one week ahead

Scheduled Availability Operational Utilisation (SAOU)

- Short term bidding (month ahead)
- Planned five weeks ahead and utilisation is confirmed and instructed one week ahead

Scheduled Utilisation (Day Ahead)

- Short term bidding (day ahead)
- Utilisation and instruction is confirmed at trade

^{*}Utilisation and Instruction confirmed 1 month ahead for those on SSEN Service Terms 2.1



We will initiate a pilot of the Day-Ahead Markets over a defined period to assess end-to-end process efficiencies and validate the strategic value for our stakeholders.

During this pilot, operations will be limited to a reduced scope, typically no more than 15 markets per week, to ensure controlled implementation and accurate evaluation.

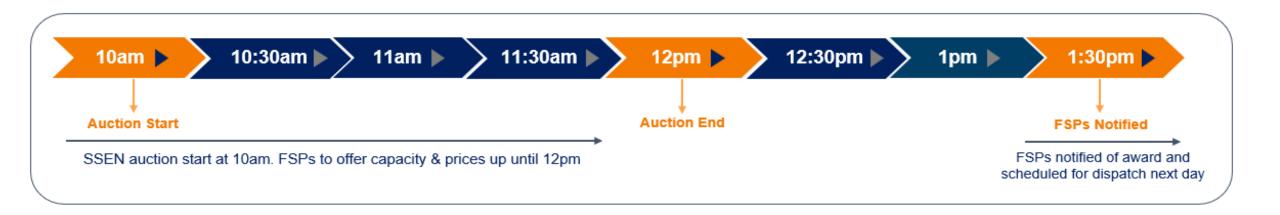
We strongly encourage active collaboration and feedback throughout this phase to ensure that the scaled Day-Ahead Markets deliver optimal outcomes for everyone.





HOW WILL DAY AHEAD WORK?

Day Ahead Launch	Week 1			Week 2					Week 3				Week 4													
Activities	Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Ë	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Æ	Sat	Sun
Run forecast and create requirements																										
Markets published on Electron Connect								2															\		·	
Day Ahead market opens and closes																										
FSPs Deliver Service																										

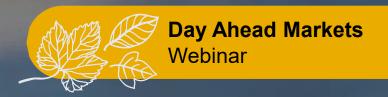


Key Dates



- Day Ahead pilot commence on Monday 24th November 2025
- Requirements published no later than Friday 21st November 2025
- You can submit bids for the whole week in one go, or each day
- Markets open at 10.00 and close at 12.00 Monday to Friday
- Dispatch takes place Tuesday to Saturday

Recurring Day Ahead: Requirements published on Fridays for markets to open the following Monday – Friday, for dispatch the next day – Tuesdays to Saturdays



MARKET RULES AND ENTRY

Ronke Ajadi

Flexibility Agreement Manager







MARKET RULES & ENTRY REQUIREMENTS

Market Requirements

- Minimum 10kW (can be aggregated from smaller kW)
- Must be on Version 3.0 of the SSEN Service Terms
- Cannot have same asset/date/time contracted in other SSFN market
- · Can submit bids for multiple days in a row
- Changes can be made up until 12pm closure
- · Dispatch instruction is at time of trade

Technical Requirements

- Assets must be registered and qualified within CMZ
- Must be onboarded to Flexible Power and integrated for the purpose of settlement
- New Assets that are not registered will need to nominate a baseline prior to service dispatch
- FSPs with Flex Power API will receive notification 15 mins before service window (Non-API FSPs won't)



MARKET OPPORTUNITIES

	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26
Mini Competition	PQQ Contract Sign			PQQ Contract Sign				PQQ Contract Sign				
Long-term Bidding		VAOU (WA) SU (MA) OU				VAOU (WA) SU (MA) OU				VAOU (WA) SU (MA) OU		
Short-term Bidding						SAOU (DA)	SAOU (DA)	SAOU (DA)	SAOU (DA)	SAOU (DA)	SAOU (DA)	SAOU (DA)
Day Ahead Bidding								Launch SU (DA)	SU (DA)	SU (DA)	SU (DA)	SU (DA)



PARTICIPATION AND PAYMENT

Jiabin Fan

Flexibility Services Scheduling Engineer



NEW ASSET REGISTRATION PROCESS

Day Ahead Launch		Serv	ice We	ek -1		Service Week								
Activities	Mon	Tue	Wed	Thu	Ë	Mon		Wed	Thu	Ë	Sat	Sun		
FSPs create new asset for next day DA market					15:00	15:00	15:00	15:00	15:00	15:00				
SSEN set up the new registered asset in Flex Power						08:00	08:00	08:00	08:00	08:00				
Electron attach the eligible assets in the DA market by the start of the market						10:00	10:00	10:00	10:00	10:00				
FSP submit bids for the attached assets by the close of DA market						12:00	12:00	12:00	12:00	12:00				



PAYMENT PROCESS

Pre-service delivery steps:

1

Start by setting up Provider account on Harmony (ordering, invoicing & payment) 2

Provider receives email to complete Questionnaire with Company & payment details

3

Setup is complete for Harmony & Tradex

4

SSEN issues POs via Harmony for delivery of services

Post-service delivery steps:

1

FSPs submits meter reading via Flexible power. Either by uploading the readings manually or via API

2

FP: Monthly statement report is generated

(3)

Provider review the statement and submits invoice via Tradex

4

Provider is paid within 30 days (to the bank account details provided previously)

UPCOMING BIDDING

<u>CMZ</u>	<u>Licence Area</u>	Estimated Dispatch Month	Estimated Capacity Required (MW)	Estimated Service Window
* Subject to Change				
Coshieville	SHEPD	November	0.27	14:00 – 21:00
Coshieville	SHEPD	November	0.19	10:00 – 12:30
Oxford	SEPD	November	0.18	10:00-13:00
Stokenchurch	SEPD	November	0.084	15:00 – 22:00
Coshieville	SHEPD	December	0.27	14:00 – 21:00
Coshieville	SHEPD	December	0.19	10:00 – 12:30

THANK YOU FOR JOINING US



DSO Powering Change

Key Reminders

- Day Ahead pilot commence on 24th November 2025
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Sign up to receive our DSO Newsletter

Visit our Flexibility Services Website

Flexibility Services - SSEN

www.ssen.co.uk/about-ssen/dso/flexibility/flexibility-services