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On Track to Trade

Weekly Trades - Launch

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Flexibility Commercial Manager

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Flexible Power Commercial Officer

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Webinar – On Track To Trade 21st November 2023

This webinar will start at 1:02pm

Please mute your microphones during the presentation.

There is time allocated for Q&A following the presentation.

Questions can be submitted via the Q&A function at any time.

This webinar will be recorded.

The slides from today and the recording will be available on our website
www.flexiblepower.co.uk

Agenda

01

Short Term Trade Requirements

- Overview
 - Where to access requirement information
-

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Registration through Market Gateway

- Overview
 - Commercial Qualification
 - Overarching Contract Award
 - Asset Registration
-

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Trade entry through Flexible Power Portal

- Trade Responses
 - Pricing and Clearing process
 - Operation and settlement in Flexible Power Portal
-

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Sources of information and help

- Key dates
 - Sources of information and help
 - Continued engagement
-

Our year so far.....

Launch of Market Gateway

Team growth;

Helen Sawdon, Flexibility Commercial Manager
Daria Wosko, Commercial Officer
Luke Boucher, Commercial Officer
Sarah Manning-Benson, Team Support

Introduction of ceiling prices

Evolution towards closer to real time procurement

First DNO to introduce an Overarching Contract

~4k assets registered in Market Gateway

~£5m worth of market potential

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Flexibility Requirements

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Short Term Trades

Short Term Trades will open from 27th November 2023

CMZ

61 Short Term Zones

42 with delivery requirements starting in December

Volumes

159 MW Peak

9,623 Availability hours

2352 Utilisation hours forecast

Earnings

Secure

£3005/MWh max ceiling price
£2619/MWh average

Dynamic

£9325/MWh max ceiling price
£2527/MWh average

Short Term Trades

- We no longer award services on a fixed price basis.
- We have calculated a maximum ceiling price for flexibility for all of our Constraint Management Zones (CMZs) based on cost efficiency.
- On average, our ceiling prices are 700% higher than the prices we've awarded in the past.

Secure

Pre-Fault Constraint Management

Our Secure service is used to manage peak demand loading on the network and pre-emptively reduce network loading. It offers a higher availability payment and lower utilisation payment.

Dynamic

Post-fault Constraint Management

Our Dynamic service has been developed to support the network in the event of specific fault conditions, such as during maintenance work. It offers a low availability payment and higher utilisation payment.

Requirement Data

We publish all our requirement data on National Grid's [Connected Data Portal](#)

Data Set	HV Zones
Postcode Data; to match your assets to our Zones	Click here
Ceiling prices; maximum price you can bid to	Click here
Requirement Volumes; how much we need	Click here
Requirement profiles; when we need it	Click here

In addition, we publish a high-level summary of when each Zone will be open for Short Term Trades; <https://www.flexiblepower.co.uk/downloads/1147>

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Qualification & Market Gateway

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Market Gateway



Market Gateway - Commercial Qualification

Entry through Market Gateway

<https://marketgateway.nationalgrid.co.uk/>

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Home Commercial Qualification Contact Us Glossary

Commercial Qualification

PIN Response PQQ Qualification tender Contract

Commercial Qualification Home

For its electricity distribution flexibility programme, National Grid award qualifying Flexibility Service Providers with an Overarching Contract, enabling further participation in flexibility Trades.

Please complete the steps the required commercial qualification steps, starting with the PIN response.

Commence

- Introduction
- Step 1 of 2: Confirm company account Information
- Step 2 of 2: Declaration to Respond to PIN
- Thank you

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One Account per Organisation

One User per Organisation initially

Account requests approved within 1 working day

Market Gateway - Overarching Contract

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Home Commercial Qualification Contact Us Glossary

Commercial Qualifications

PIN Response PQQ Qualification tender Contract

Step 5 of 5: Supplier details form

Please download and complete the banking information form below.

Once done, please email or post the completed form to:

dsobilling.nged@nationalgrid.co.uk

DSO Billing
Pegasus Business Park
Castle Donington
Derbyshire
DE74 2TU

SUPPLIER REQUEST FORM

- ✓ Qualification Tender
- ✓ Step 1 of 5: Confirm company account information
- ✓ Step 2 of 5: Complete T&C Clause Groups
- ✓ Step 3 of 5: Complete T&C Schedules
- ✓ Step 4 of 5: Self billing agreement
- Step 5 of 5: Supplier details form

Upon receipt of the Billing Form, notification of Contract Award will be emailed to User along with a Flexible Power Portal Account Request Form.

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Home Commercial Qualification Contact Us Glossary

Commercial Qualifications

PIN Response PQQ Qualification tender Contract → Contract Award

Contract Award

Thank you for completing the Commercial Qualification process.

Following receipt of your billing form, National Grid will email you with your executed Contract Documents.

From receipt of your Contract Documents a 10 day standstill period will apply, after which you will be able to enter Trade Opportunities provided Technical Qualification is complete.

Market Gateway - Asset Registration

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Dashboard Assets Meterable Units

Latest Updates

Assets

Search: Search Name or ID

Filter: CMZ Status

Asset ID	Name	Version	MPAN / MSID	CMZ	Last Up
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Dashboard Assets Meterable Units

Create a New Asset

New Assets and Meterable Units can be created through the UI, or; Through APIs available in the User Account area.

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Hello, User | View Account | Logout

Home Commercial Qualification Technical Qualification Contact Us Help & Guidance Glossary

Manage your account

Edit Details **API Credentials** Change Password Logout

Market Gateway - Asset Registration

Once submitted, we will approve assets and match them with a CMZ in around 48hrs.

Once approved, assets can be grouped into Meterable Units – the level at which you will provide metering for the assets. Once an MU is submitted, we allocate it a MUID within around 48hrs.

The MUID is used for the Flexible Power Portal communication.

For each MU, we will detect metering data and update the MU status to 'Ready for Trades'.

Latest Updates

Assets

Dashboard Assets **Meterable Units**

Search: Search Name or ID

Filter: cmz_3 Approved

Asset ID	Name	Version	MPAN / MSID	CMZ	Last Updated	Status	Action
35	Domestic House 2	1	1122334455667	cmz_3	Wed, 10 May 2023	Approved	View / Edit
39	Hydro Power Site 1	1	1156876532010	cmz_3	Wed, 10 May 2023	Approved	View / Edit
43	EV Fast Charger 4	1	1102013989875	cmz_3	Wed, 10 May 2023	Approved	View / Edit
47	PV Site 1	1	1125632478964	cmz_3	Wed, 10 May 2023	Approved	View / Edit
51	Domestic House 3	1	1111225569870	cmz_3	Wed, 10 May 2023	Approved	View / Edit
55	Domestic House 7	1	1125489863000	cmz_3	Wed, 10 May 2023	Approved	View / Edit

Create a New Meterable Unit Request

Market Gateway - Asset Registration

We use the Flexible Power Portal (FPP) for the operation of awarded Trades.

Only MUs with detectable metering to the FPP will be eligible to Trade.

Metering can be submitted through API or via upload

[Guidance on API build is available on the FPP.](#)

The screenshot shows a web browser window displaying the Flexible Power Participant API documentation. The browser address bar shows the URL: <https://flexiblepowerportal.co.uk/docs/public/participant.html>. The page title is "Flexible Power Participant API" with a version indicator "1.2 OAS3". The page content is organized into sections:

- Dispatch Signals from Flexible Power to Participant**
 - PUT** `{participant_base_url}/dispatch/start` Flexible Power platform sends dispatch start signals to this endpoint
 - PUT** `{participant_base_url}/dispatch/stop` Flexible Power platform sends dispatch stop signals to this endpoint
- Data from Participant to Flexible Power**
 - PUT** `/v1/participant/readings` Participants submit minute-by-minute power meter readings in kW using this endpoint
 - PUT** `/v1/participant/readings/energy` Participants submit minute-by-minute or half-hourly energy meter readings in kWh using this endpoint
 - PUT** `/v1/participant/stop` Participant notification of emergency stop
- Flexible Power Data**
 - GET** `/v1/participant/invoices/zone/{zoneId}/year/{yearStr}/month/{monthStr}` Retrieve the data of a single invoice
- Schemas**
 - DispatchIdentifier >
 - Programme >

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Trade Entry Through Flexible Power Portal

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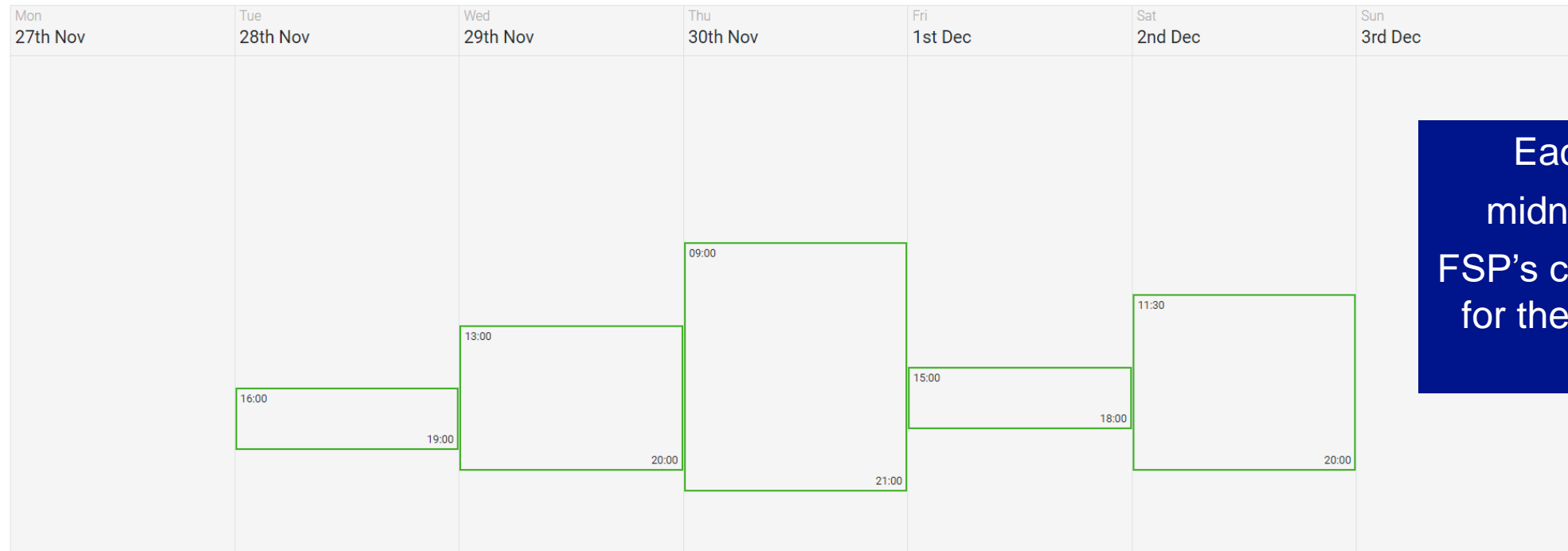
Trade Response

NGED Sandbox

This week can be edited until the end of Wednesday 22nd November 2023

Week commencing: 27th November 2023 ⏪ ⏩ ● Sustain ● Secure ● **Secure (auction)** ● Dynamic ● Dynamic (auction) ● Restore

Zone:
 DG:
 Baseline: kW
 Bid Prices: £/MW/h
 Power: kW change
 Min. Event Duration: min
 Max. Event Duration: min
 Max. Weekly Duration: min



Each week before midnight on Tuesday, FSP's can enter availability for the following delivery week.

Trade Response

NGED Sandbox

Week commencing: 27th November 2023

Sustain Secure **Secure (auction)** Dynamic Dynamic (auction) Restore

Zone: NGED Sandbox DG: NGED TEST DG Baseline: 0.0 kW Bid Prices: 1000.00 / 500.00 £/MW/h

Power: 0 kW change Min. Event Duration: 30 min Max. Event Duration: 960 min Max. Weekly Duration: min

Mon 27th Nov Tue 28th Nov Wed 29th Nov Thu 30th Nov Fri 1st Dec Sat 2nd Dec Sun 3rd Dec

This week can be edited until the end of Wednesday 22nd November 2023

Edit Auction Bid Prices

Set your utilisation bid price for the current Dispatch Group, Programme & Week.
The Availability price is automatically calculated as the Utilisation Bid Price x 0.5

The ceiling price is 1000.00 £/MW/h.

Utilisation Bid Price: 800 £/MW/h Availability Bid Price: 400.00 £/MW/h

Cancel Save

The ceiling price is displayed as default. Trade Respondents will be asked to provide their Minimum Offered Utilisation Price.

Trade Award

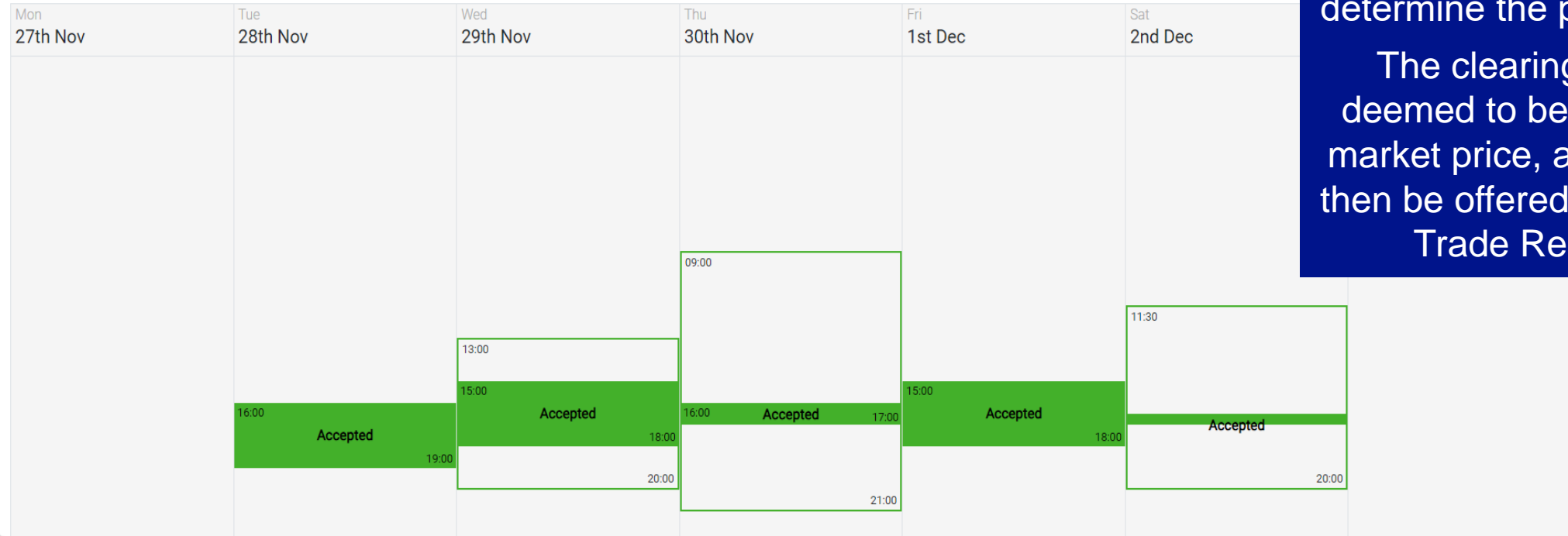
NGED Sandbox

Week commencing: 27th November 2023

Sustain
 Secure
 Secure (auction)
 Dynamic
 Dynamic (auction)
 Restore

Zone: NGED Sandbox | DG: NGED TEST DG | Baseline: 0.0 kW | **Awarded Prices: 850.00 / 425.0 £/MW/h**

Power: 0 | kW change | Min. Event Duration: 30 min | Max. Event Duration: 960 min | Max. Weekly Duration: min



After Thurs midday FSP's can view which time windows have been accepted, and the awarded price.

We will use a clearing system to determine the price we'll award.

The clearing price will be deemed to be the CMZs best market price, and this price will then be offered to all successful Trade Respondents.

Operation post award – Dispatch & Settlement

Following the Award of an Overarching Contract, we provide all participants with access to our operational Portal, Flexible Power. The Portal facilitates;

Trades

- Submit weekly Trades
- View weekly Trade Awards

Operation

- Receive stop/start signals
- Submit event metering through API or upload

Settlement

- View performance and earning statements
- View and approve monthly invoices

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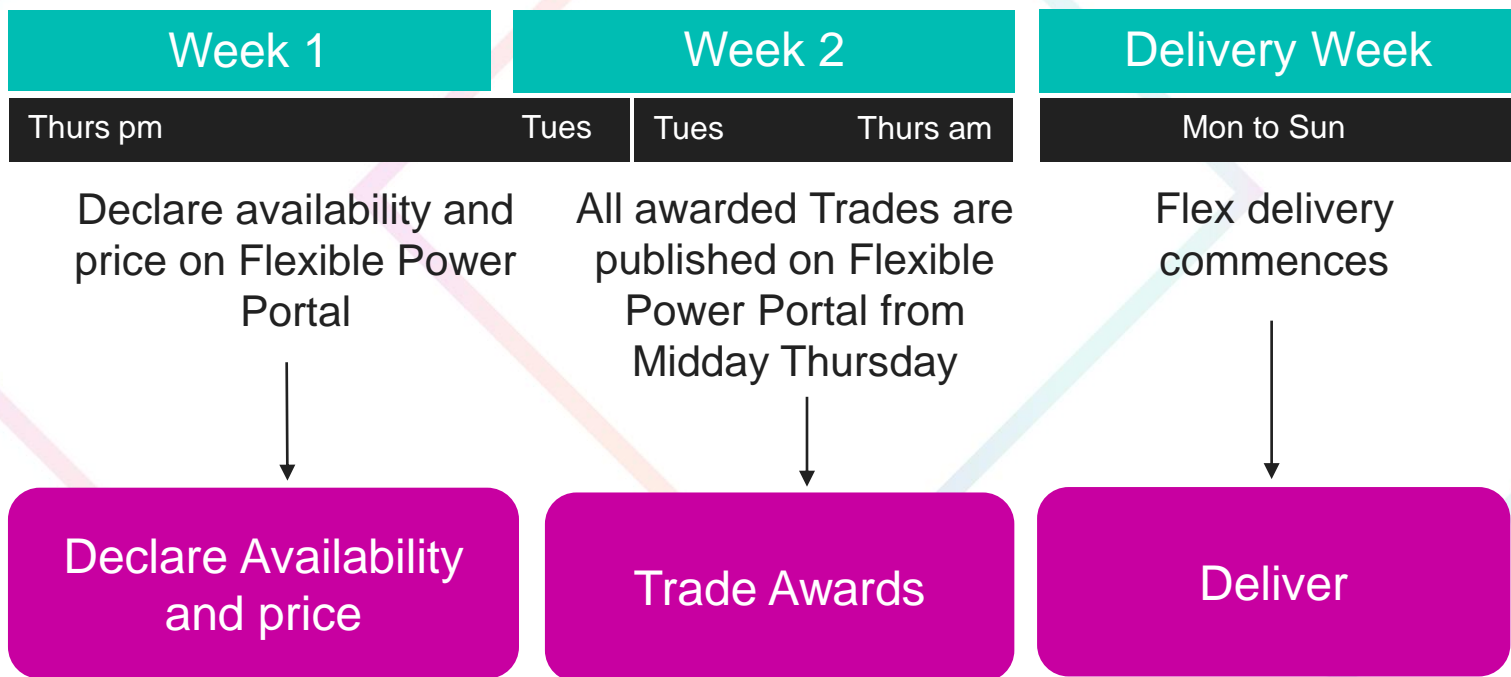
Information & Help

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Timeline

Short Term Trades Procurement Timeline



Further help & guidance is available

nationalgrid Market Gateway

- [Market Gateway](#)
- [User Guide](#)
- [FAQ's](#)

Flexible Power Portal

- [Flexible Power Portal](#)
- [Flexible Power Portal API documentation](#)
- [FAQ's](#)

Connected Data Portal

- [CDP](#)
- [Flexibility – Requirements](#)
- [Trades Data and Results](#)

Flexible Power Website

- [Guidance document](#)
- [Flex procurement End to End Process Map](#)
- [Procurement and Engagement timetable](#)
- [Tools and Documents](#)

Future Opportunities

Short Term HV

Continue to trade Short Term Trades every week in line with published requirements

Long Term HV

Trades for summer 2024 and winter 2024/2025 to open in January

Winter 2024/2025 LV

Sustain Trades to be announced in the New Year

We'll continue to publish opportunities on National Grid's [Connected Data Portal](#)

Continued Engagement

Keeping you up to date and informed on developments and opportunities

Our planned engagement events are published [here](#) and on our [events page](#)

Join our [mailing list](#)

Annual Stakeholder Consultation



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Q&A

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Thank You

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