

Electricity
Distribution

Market Gateway

Asset Registration
Functionality Release
31st May, 2pm

nationalgrid



Welcome

This webinar will start at 2pm

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.

Contents page

01	Our Flexibility Strategy	Matt Watson, Flexibility Manager
02	Market Gateway Functionality Overview	Helen Sawdon, Flexibility Commercial Lead
03	Procurement Timeline	Matt Watson, Flexibility Manager
04	Q&A	

Electricity
Distribution

Our Flexibility Strategy

nationalgrid



NGED's DSO Flexibility Market

We operate a flexibility first approach to network reinforcement

Last year we procured over 150MW of flexibility services and dispatched over 1.7GWh.

Next year we are looking to procure a further 176MW on our higher voltage zones covering £135m of reinforcement

We have also launched 1360 zones for secondary reinforcement.



Distribution Flexibility Services Procurement Statement

April 2023

Electricity
Distribution

nationalgrid

Evolving Flexibility

We listened:

Feedback from our Stakeholder consultations:

- Simplify and remove admin burden
- Provide digital interfaces
- Increase market opportunities
- Increase market investment

What we're doing:

Market Entry

- Digital tools to lower barriers to entry
- APIs to support scale and to link with wider platforms/ aggregators
- Open and accessible data

Product Evolution

- Introduction of Sustain targeted at domestic
- Long Term and Short Term Products
- Steps towards closer to real-time procurement

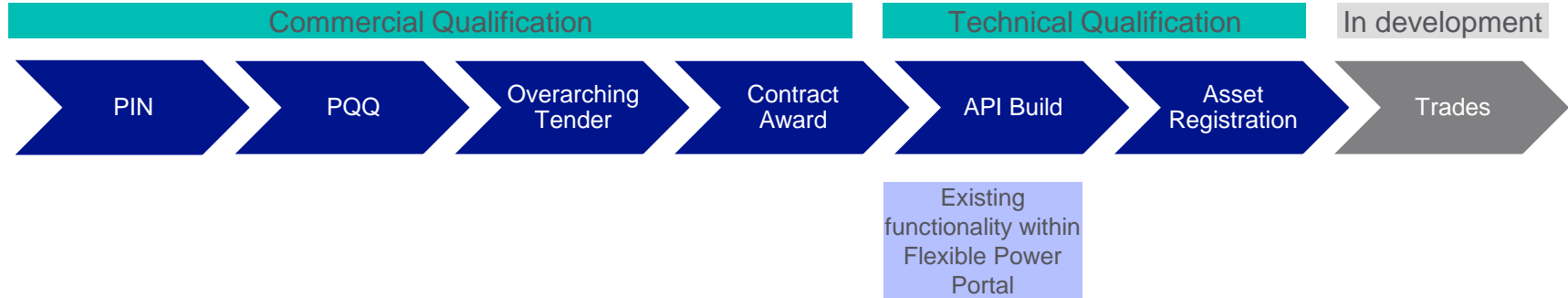
Increased participation

- 1360 new LV locations
- Step away from fixed pricing
- Move to ceiling prices for Sustain, Secure and Dynamic

Development to date

Our initial Market Gateway roll-out in Feb'23 focused on Commercial Qualification.

Functionality to facilitate Asset Registration is now complete.



Development to date

This latest functionality release focusses on Asset Registration, it features;

User Interfaces



- Asset creation
- Meterable Unit creation
- Asset and MU editing and version controls

Auto Validation



- Asset validation checks
- Matching to CMZs
- MU Trade readiness checks

API Options



- Create Assets and MUs
- Fetch validation and matching results
- Fetch Trade readiness status

Electricity
Distribution

2

Market Gateway Functionality

nationalgrid



Market Gateway

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

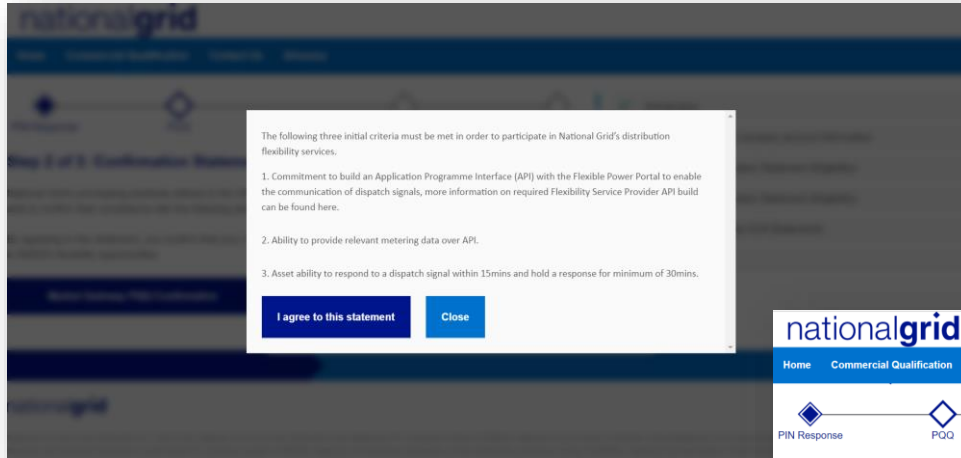
The screenshot shows the 'nationalgrid' logo at the top left. Below it is a navigation bar with links for 'Home', 'Commercial Qualification', 'Contact Us', and 'Glossary'. The main heading is 'Commercial Qualification'. A progress bar below the heading shows four steps: 'PIN Response', 'PQQ', 'Qualification tender', and 'Contract'. The 'PIN Response' step is currently active. To the right of the progress bar is a list of steps: 'Introduction', 'Step 1 of 2: Confirm company account Information', 'Step 2 of 2: Declaration to Respond to PIN', and 'Thank you'. Below the progress bar is a 'Commence' button. At the bottom of the page is the 'nationalgrid' logo again.

One account per Organisation

One User per Organisation initially

Account requests approved within 1 working day

Market Gateway – Commercial Qualification



nationalgrid

Home Commercial Qualification Contact Us Glossary

◆ PIN Response ◇ PQQ ◇ Qualification tender ◇ Contract

Step 3 of 3: Complete UCR Statements

There are **four** UCR statements to complete.

- **UCR statement 01** ▲
By agreeing to this document, you confirm acceptance and adherence on behalf of your organisation.
[Mandatory Ineligibility](#)
- **UCR statement 02** ▼
- **UCR statement 03** ▼

✓	Introduction
✓	Step 1 of 3: Confirm company account Information
✓	Step 2 of 3: Confirmation Statement (Eligibility)
✓	Step 2 of 3: Confirmation Statement (Eligibility)
→	Step 3 of 3: Complete UCR Statements
—	Thank you

Market Gateway – Commercial Qualification

The screenshot shows the 'Commercial Qualifications' section of the National Grid Market Gateway. A progress bar at the top indicates the current stage: PIN Response, POQ, Qualification tender (highlighted), and Contract. Below the progress bar, the 'Qualification Tender' section contains the following text:

As a member of National Grid's Dynamic Purching System (DPS) you are now eligible to tender for an Overarching Contract.

Parties who are awarded an Overarching Contract are then able to complete the Technical Qualification ahead of entering Trade Opportunities.

Completion of the Overarching Contract does not commit either party to service provision.

On behalf of your organisation, you are required to review and agree to each section of the Flexibility Standard Agreement and all Associated Documents relating to our Qualification Tender. If you would like to download a combined copy of the Flexibility Standard Agreement sections and all Associated Documents for offline review ahead of confirming your agreement, please download from www.flexiblepower.co.uk/national-grid-electricity-distribution/tools-and-documents

Ready to commence Qualification Tender?

Commence

On the right side of the page, a list of steps is visible:

- 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
- Thank you

Flexibility Agreement

The screenshot shows the 'Commercial Qualifications' section of the National Grid Market Gateway, specifically the 'Step 3 of 5: Complete T&C Schedules' page. A progress bar at the top indicates the current stage: PIN Response, POQ (highlighted), Qualification tender, and Contract. Below the progress bar, the 'Step 3 of 5: Complete T&C Schedules' section contains the following text:

There are four T&C Schedules to complete.

- T&C Schedules 01
- T&C Schedules 02
- T&C Schedule 03
- T&C Schedules 04

By agreeing to this document, you confirm acceptance and adherence to it on behalf of your organization.

Annexes to Flexibility Service Terms - DNO Active Services - Jan 2023

✓ Thank you for confirming

Continue

On the right side of the page, a list of steps is visible:

- ✓ 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
- Thank you

Market Gateway – Commercial Qualification

nationalgrid

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
- Thank you

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

nationalgrid

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

Asset Registration wont be accessible until all steps of Commercial Qualification are complete.

This includes downloading the billing form

Flexibility Procurement Hub

National Grid's Market Gateway has been developed for the purpose of facilitating Flexibility Service Providers into its electricity distribution flexibility programme.

Here, parties wishing to provide flexibility services within our flexibility programme can;

- Complete commercial pre-qualification requirements.
- Receive an Overarching Contract enabling participation in Trade Opportunities.
- Register assets for participation in Trade Opportunities.
- Complete the pre-Trade Technical Requirements needed for the delivery of services.
- Participate in Trade Opportunities for the provision of flexibility services.

Guidance, including FAQs, on the use of the Market Gateway is available to view and download from www.flexiblepower.co.uk/locations/national-grid-electricity-distribution/tools-and-documents

You must start with the commercial qualification.

Commercial Qualification	Asset Registrations	Trade Opportunities
Awaiting Approval Details >	Commercial Qualification must be completed	Commercial Qualification must be completed

Commercial Qualification	Asset Registrations
✓ Complete Details >	✓ Ready to start Details >

Market Gateway – Asset Registration

The screenshot shows the 'nationalgrid' logo at the top left. Below it is a navigation bar with links: Home, Commercial Qualification, Contact Us, Help & Guidance, and Glossary. Underneath is a secondary navigation bar with 'Dashboard', 'Assets', and 'Meterable Units'. A prominent blue button labeled 'Create a New Asset' is visible. Below this is a 'Latest Updates' section with an 'Assets' heading. There is a search box labeled 'Search:' with the placeholder text 'Search Name or ID' and a magnifying glass icon. Below the search box are two filter boxes: 'Filter:' with 'CMZ' selected and a dropdown arrow, and 'Status' with a dropdown arrow. At the bottom, a table header is visible with columns: Asset ID, Name, Version, MPAN / MSID, CMZ, Last Updated, Status, and Action.

New Assets and Meterable Units can be created through the UI, or;

Through APIs available in the User Account area.

The screenshot shows the 'nationalgrid' logo at the top left. In the top right corner, there is a user profile icon, the text 'Hello, User', a link 'View Account', and a 'Logout' link. Below this is a navigation bar with links: Home, Commercial Qualification, Technical Qualification, Contact Us, Help & Guidance, and Glossary. The main heading is 'Manage your account'. Below this heading are four buttons: 'Edit Details', 'API Credentials' (which is highlighted with a red box), 'Change Password', and 'Logout'.

Market Gateway – Asset Registration

Create Asset Request

Energised?*

Yes No

Asset Name*

Asset Postcode*

Asset Scale*

Identifier (MPAN/MSID)*

MPAN MSID

Metering Location*

Point of Connection Asset Level

Asset Types*

Generator & Storage Demand

Where an Asset is metered at the point of connection, we will allow sub-assets

Asset Types*

Generator & Storage Demand

Energy Conversion Technology	Energy Source	Demand Type	Asset Capacity (kW)	Action
Photovoltaic	Solar		4	<input type="button" value="Delete"/>
Battery/Compressed air system	Stored Energy (all stored energy irrespective of the original energy)		20	<input type="button" value="Delete"/>
		EV charge point	7	<input type="button" value="Delete"/>
		Hybrid heat pump	6	<input type="button" value="Delete"/>
		Household demand	1	<input type="button" value="Delete"/>

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.

Latest Updates

Assets

Search:

Filter:

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	11112255669870	cmz_3	Wed, 10 May 2023	Approved	View / Edit
55	Domestic House 7	1	1125489863000	cmz_3	Wed, 10 May 2023	Approved	View / Edit

Dashboard Assets **Meterable Units**

[Create a New Meterable Unit Request](#)

An API for MU creation is also available

Market Gateway – Asset Registration

Search:

Filter:

ID	Meterable Unit Name	Active Version	Status	Operational	From	To	Action
8	Household CMZ 1	1	Pending MUID	Yes	Thu, 11 May 2023	-	View
9	Commercial Demand 1	1	Pending MUID	Yes	Thu, 11 May 2023	-	View
10	Gas Turbine 1	1	Pending MUID	Yes	Thu, 11 May 2023	-	View
11	Factory Demand 2	1	Pending MUID	Yes	Thu, 11 May 2023	-	View

[Back](#)

View Meterable Unit History

Meterable Unit ID: 8

Version	Meterable Unit Name	Active Version	Status	Operational	From	To	Action
1	Household CMZ 1	Is Active	Ready for Trades	Yes	Mon, 5 Jun 2023	-	Edit

Once an MU is submitted, we allocate it a MUID within around 48hrs.

The MUID is used for the Flexible Power Portal API build.

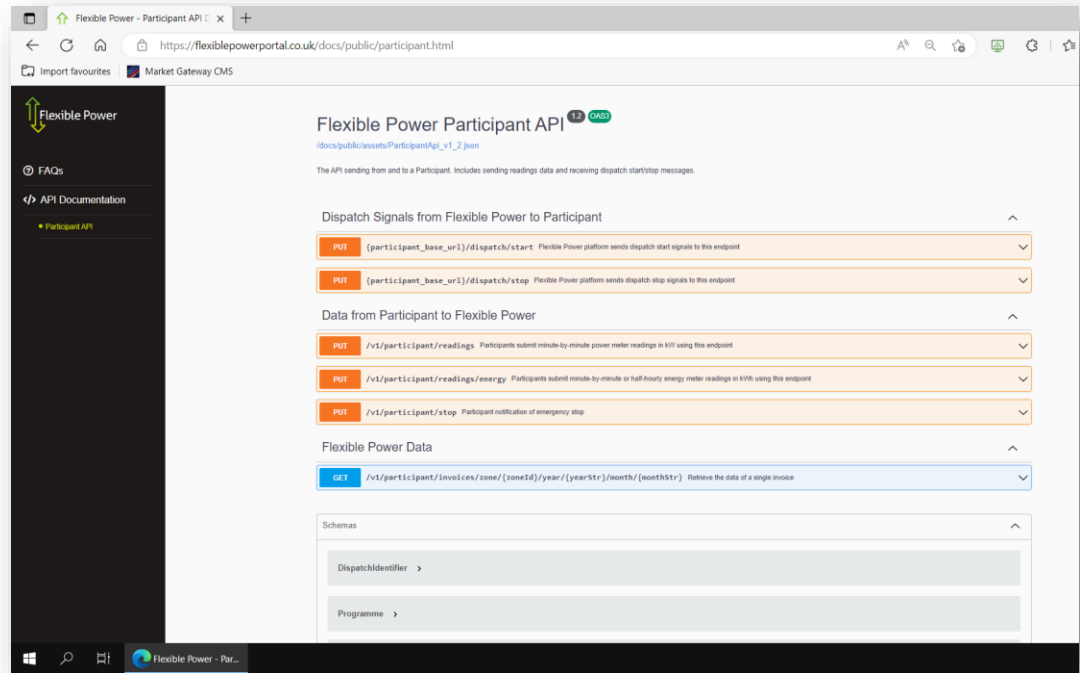
When a MUID has an API, we will detect metering data and update the MU status to 'Ready for Trades'.

Market Gateway – Asset Registration

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

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

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



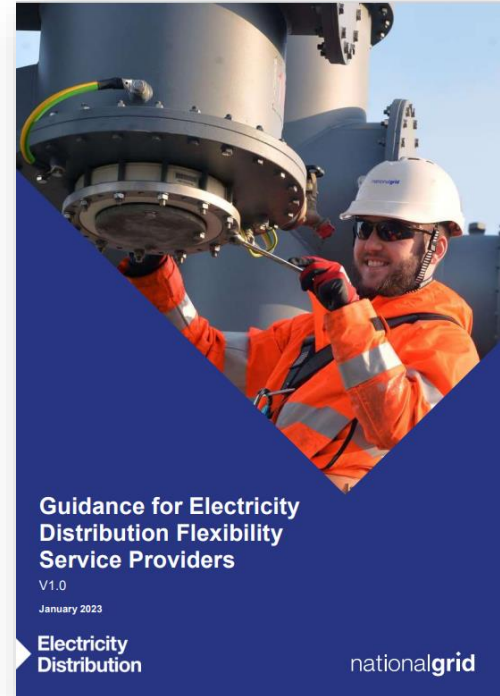
The screenshot shows a web browser displaying the Flexible Power Participant API documentation. The page title is "Flexible Power Participant API" with a "v1.2" version indicator and a "GAS" badge. The URL is <https://flexiblepowerportal.co.uk/docs/public/participant.html>. The page content is organized into sections:

- Dispatch Signals from Flexible Power to Participant:**
 - PUT** `{participant_base_ur}/dispatch/start`: Flexible Power platform sends dispatch start signals to this endpoint.
 - PUT** `{participant_base_ur}/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 kWh 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** >

Market Gateway

Further help & guidance is available;

- On the Market Gateway Help & Guidance Page, which includes links to;
 - [Market Gateway](#) Asset and MU API documentation
 - [Flexible Power Portal API](#) documentation
 - [Guidance document](#) covering all aspects of participation
- Speak to our team;
 - nged.flexiblepower@nationalgrid.co.uk
 - 01332 827 436



Electricity
Distribution

3

Procurement Timeline

nationalgrid



Short-term Development

Over the next few months, we'll be developing further functionality focussed on enabling Trades;

Excel Based Trading

- **July**
- Partial manual process to accommodate Trades and Trade Awards
- Awards linked to operational Portal

Digitised Trade Opportunities

- **Sep**
- Auto-matching of Opportunities to MUs
- UI and API submission functionality

Digitised Trade Awards

- **Nov**
- Notification of Successful Trades
- Auto linked to operational Portal

Ongoing Development

We'll continue to develop the Market Gateway to provide;

Enhanced Functionality

- Multiple users per Organisation
- Digital billing information capture

Market Coordination

- Interoperability with market platforms
- ESO/3rd Parties

Market Standardisation

- Outputs from Open Networks
- Common interfaces
- Common data layer

We are keen to collate feedback on the Market Gateway so we can maximise the value of our development.

Key Dates

13th Feb

- Publication of HV and LV CMZ locations with Winter 2023/24 requirements on the [Flexible Power website](#) and the [Connect Data Portal](#).

26th June

- Sustain and Long Term Trade Opportunities open

28th July

- Deadline for Trade Response Submissions

28th Aug

- Trade Awards Communicated

4th Sep

- Publication of CMZ locations with Summer 24 requirements
- on the [Flexible Power website](#) and the [Connect Data Portal](#).

25th Sep

- Summer 24 Trade Opportunities open on the [Market Gateway](#)
- Short Term (weekly) Trade Opportunities commence for Winter 23 requirements

Our full procurement timeline for 2023/24 flexibility requirements are published here;

<https://www.flexiblepower.co.uk/downloads/1121>

Continued Engagement

Keeping you up to date and informed on developments and opportunities

- Webinars to support the launch of new Functionality
- Surgeries and guidance covering all aspects of participation
 - 29th June; On Track to Trade Webinar. Register [here](#).
 - 3rd – 7th July; On Track to Trade Surgeries. Request an appointment [here](#).
- In person events to inform our flexibility and DSO strategy.
- Annual stakeholder consultation
- Our planned engagement events are published [here](#) and on our [events page](#)
- Join our [mailing list](#)

Electricity
Distribution

4

Q&A

nationalgrid



national**grid**