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### 1. Introduction

This document will take Flexible Power participants through a step by step process to submit their first declarations and can thereafter be used for reference if having any difficulties. The was the Flexible Power system has been developed includes a safe environment called 'UAT' which allows for testing and training. The initial instructions in the process direct a new participant to familiarise themselves with the systems and process in this environment before completing ion the live system.

- The UAT Environment (for testing only) is found at: <a href="https://uat.flexiblepowerwpd.co.uk/">https://uat.flexiblepowerwpd.co.uk/</a>
- Production (live site, dispatching will result in sending a dispatch order to the participants):
   <a href="https://flexiblepowerwpd.co.uk">https://flexiblepowerwpd.co.uk</a>
- Please use Chrome or IE browser to access the platform. The platforms cannot be used on Safari.

## 2. Accessing the Portal for the first time

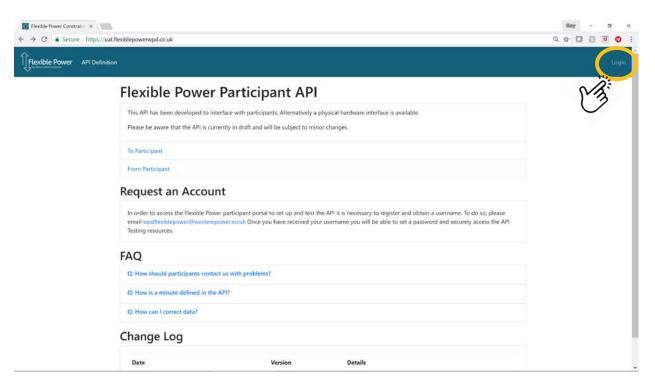
New participants requiring access to the Flexible Power customer portal can do so by providing the following information to WPDFlexiblepower@westernpower.co.uk:

- Organisation / Company name
- Zones in which they wish to declare capacity
- Initial Contact Person's name and email address

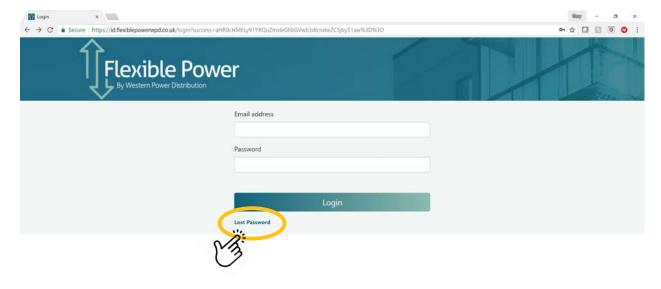
An account will then be created for the user in the User Acceptance Testing (UAT) environment and Flexible Power will send a notification when this has been completed.

The Participant should then visit; <a href="https://uat.flexiblepowerwpd.co.uk/">https://uat.flexiblepowerwpd.co.uk/</a>

Follow the 'Login' link at the top right corner of the page.



This link will take the user to a page that has a box to input email address and password. On the first time visiting this page the user should use the '*lost password*' link and input the email address previously provided in the email requesting registration.

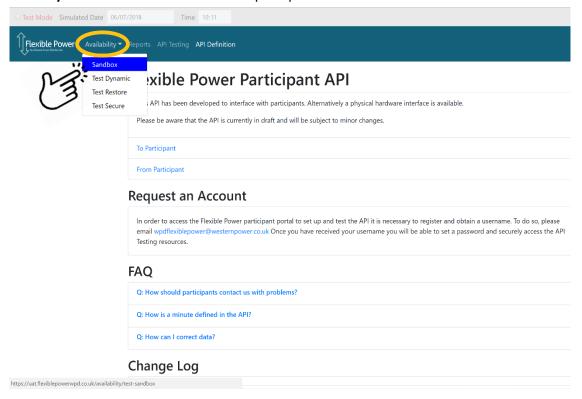


Please check the email account for an email from Flexible Power with a reset link to create the user's password. (please note, only one user account per organisation is typically provided in the UAT environment, but multiple are permitted when set up in Production)

An email from Flexible Power will allow the user access to the Participant Portal to ensure that the API is fully functioning and to familiarise themselves with the various actions around the declarations processes.

## 3. Creating Declarations

- Click on the 'Availability' menu and four zones should be shown in the drop down.
- `Select 'Sandbox' from the drop down menu of Zones. In 'Production' environment this will list the zones in which the participant has capacity. Please note that the zone is designated as a 'Dynamic' service zone but this the principals are the same for all services.



• There is an information dialogue in the top right that tells you whether the current viewed week is available for editing. Navigate the weeks using the arrows next to the date to find the editable week.





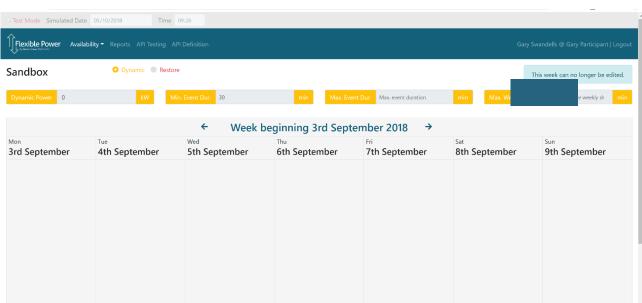
• Alternatively, to make any week editable, you can use the "test Mode". Turn on the test mode in the top left and reduce the date until the week becomes editable. This function is



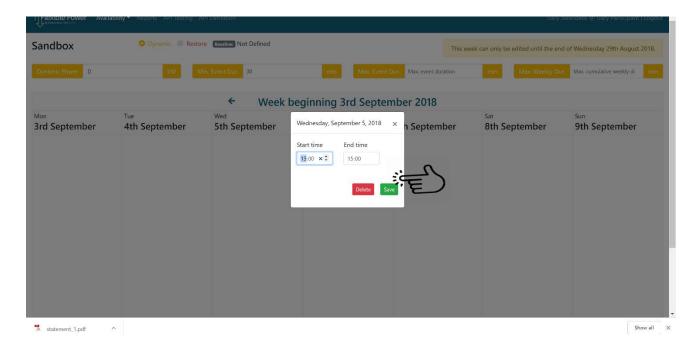
only available in UAT and is present to simplify testing.

• Select a programme in the top left (restore/dynamic/secure). Each zone will only have a maximum of two programmes to choose from. 'Restore' is available in all zones, and then either 'Dynamic' or 'Secure' as they are mutually exclusive.

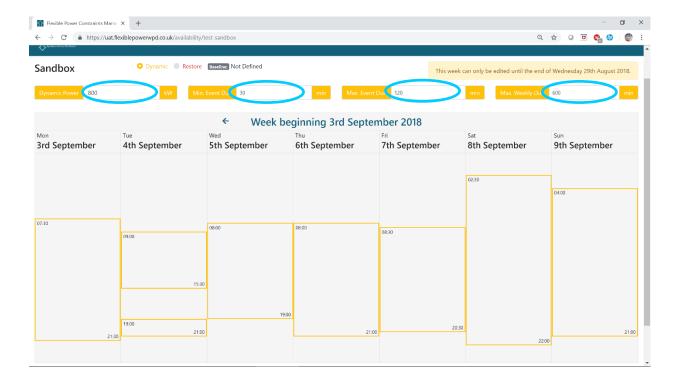
O Dynamic Restore



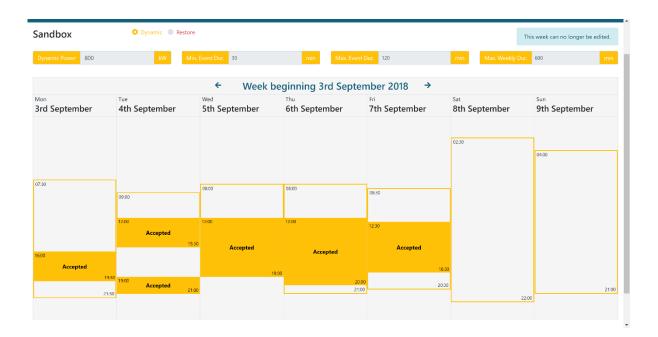
- Click somewhere (under the day you prefer) in the calendar to create a declaration on a day
- Complete the form the add a declaration (press save at the end). Please make a declaration longer than 2 hours for the purpose of this test.



- The declaration should display as an empty block, circled in blue below. The declaration will be unsuccessful if the declared capacity is 0 W. Declared windows can be edited or deleted simply by clicking on them again
- Continue adding windows until a full week of simulated declarations has been created. Set
  weekly values. Please note that if you wish to make a declaration the power value (kW)
  needs to show a positive value. If left at zero, no declaration will be submitted. The
  remaining weekly values are provided for the participant to protect processes, assets or fuel
  reserves to ensure that DSR service parameters stay within a range that is acceptable.



This is the limit of what a Participant can achieve with 'self-testing' as they are unable to carry out the weekly acceptance that will be done by Flexible Power and WPD's Console Operators om a Thursday morning. We have however shown a sample screen below of what accepted windows appear like to help familiarise participants with the formatting.

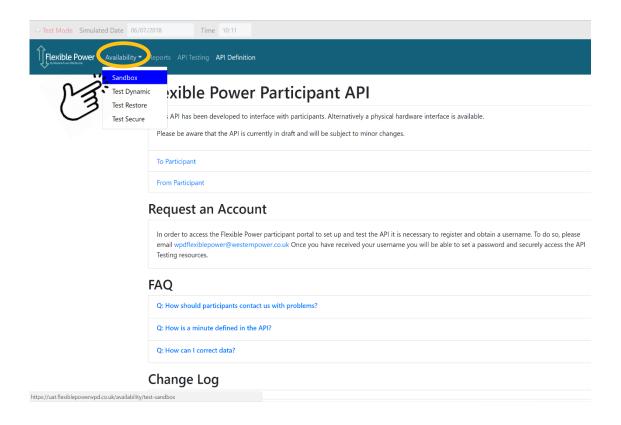


### 4. Sites and Baselines

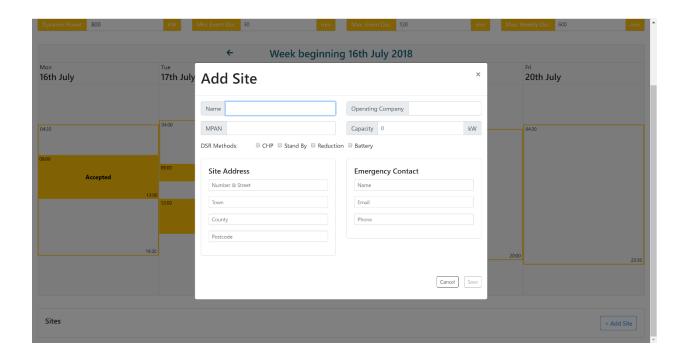
After testing has been completed and participants are set up in the full Production environment they will have access to all the zones in which they wish to declare capacity. For each zone a single declaration is required, but this can consists of multiple assets and sites for which a single baseline will be used to measure the delivery during DSR events.

When first setting up a zone it is necessary for participants to state their own estimated baseline which will be used for the first month of operation. During the first month, Flexible Power will collect the metering data provided for that zone in order to automatically calculate and update the monthly baseline thereafter.

Participants are required to provide details relating to all the sites that are incorporated into the single minute by minute metering signal that is sent to Flexible Power. It is necessary to set up a site in UAT testing. To do so you first need to navigate to the 'Availability' page in the 'Sandbox' zone.



At the bottom of the 'Availability' page there is a link to 'Add Site'. Click here to trigger a pop up window requesting the details of the site you wish to add to the sandbox zone.



site you wish to add to the sandbox zone.

Field Name	Description
Name	The name to which the participant would like to use to easily
	identify a site if in discussion with Flexible Power.
Operating Company	If the participant is providing DSR capacity on behalf of 3 <sup>rd</sup> parties,
	please provide the name of the company or organisation that owns
	the site. This will typically accord with the recorded owner of the
	MPAN
MPAN	Metering Point Administration Number associated with the site's
	main connection point. This can include import and export.
Capacity	The maximum theoretic capacity that a site would expect to offer in
	a DSR event.
Address	Postal address for the site from which the metering is originated.
	This shouldn't be a correspondence address or central company
	address.
Emergency Contact	A representative from the site who could be contacted in the
	unlikely event of an emergency situation. This shouldn't be a
	central contact unless the site is normally unmanned.

# 5. Emergency Stop by Participants:

An optional signal is provided for participants that is not mandatory in order to provide Flexible Power with DSR capacity. It is provided as a facility to participants who would appreciate the capability to ensure sites can rapidly 'opt out' in the event of an emergency. This is not intended to be used as a regularly accessed facility to decide whether or not to deliver DSR based on commercial outcomes or convenience. It has been provided so that in the event of unexpected events occurring during an accepted availability window or armed

period there is a single point control where a participant can cease an event or prevent a dispatch which could otherwise have a negative impact on their core activities.

Participants can issue an emergency stop using the template curl command in <a href="https://uat.flexiblepowerwpd.co.uk/testing">https://uat.flexiblepowerwpd.co.uk/testing</a> 'Emergency Stop Signal' tab for the programme secure and the zone that the secure declaration was made in.

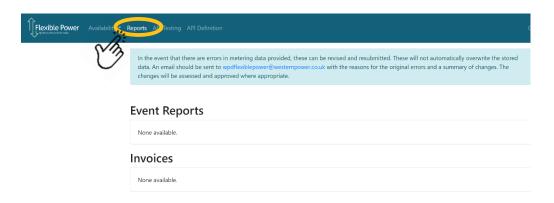
As this signal is sent via the API it is entirely up to a Participant as to what form of trigger will



initiate the signal and from what type of device. When the signal is received, Flexible Power will record that time as the end of expected delivery for that day is during a DSR event and withdraw availability for the issue of any events in that zone. This will be automatically reset for the following day, so if a Participant's issues at site can't be resolved they would be expected to contact Flexible Power to request a longer period of 'opt-out'. It does however provide the Participant time to prioritise their resources to address and assess any issues without the pressure of having to try and contact Flexible Power.

## 6. Reports

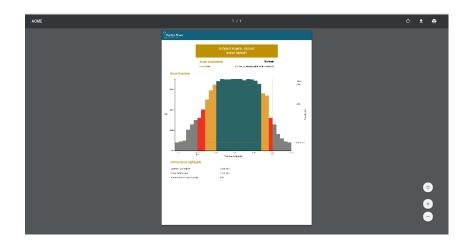
The layout of UAT environment is the same as that in Production, but although it is possible to view the 'Reports' page by clicking on the appropriate tab in the navigation bar, it is not possible to provide any reports as these will be created dynamically, drawing on metering data contained in the vault.



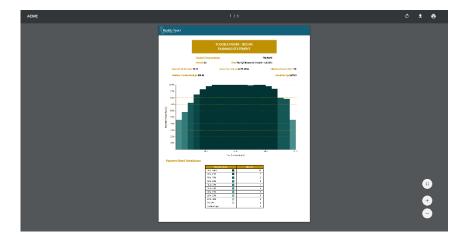
In order that participants can familiarise themselves with the format of the reporting there are sample reports that have been created and hosted in the API testing section.



#### **Event Performance report**



#### **Event Earnings report**



#### Monthly Self Billing Invoice

