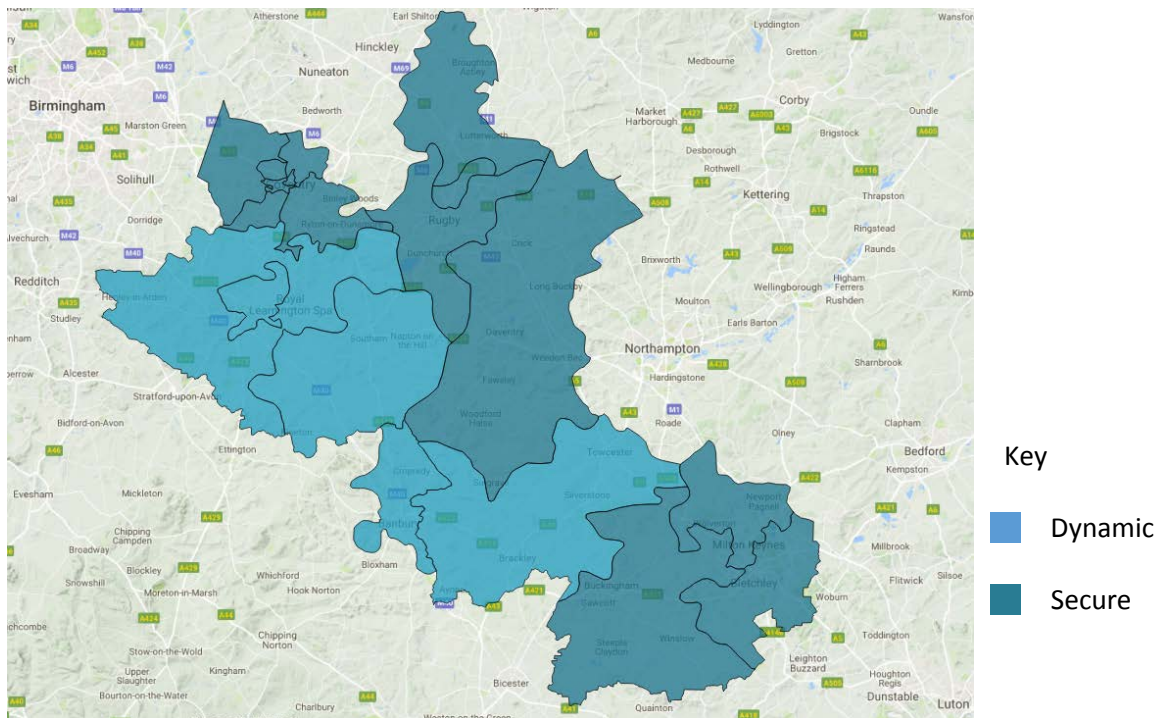


## Constraint Management Zone (CMZ) Service Overview

Flexible Power is testing three DSR services to address different operational requirements on the Distribution Network. The services are called **Secure**, **Dynamic** and **Restore** and will be tested in 14 Constraint Management Zones (CMZ) in the East Midlands between April 2018 and March 2019. These zones are highlighted below



**Secure** and **Dynamic** are main response services and operate to reduce predictable stresses on the distribution network. Each zone will operate *either* a Secure *or* a Dynamic service (as highlighted on the map). Both services are used to manage known conditions of increased risk on the network. The advance notice is intended to assist participants in assessing their ability to declare capacity whilst minimising conflicts with any other DSR programmes.

The **Restore** service is an additional service and would only be activated in the event of rare faults occurring on the network. The service would help manage an incident and expedite the process of reinstating normal operations. Restore will be available across all the zones and is optional.

The CMZ services are available to half hourly metered customers in the target area who can increase generation output or reduce demand within 15 minutes of being called and can hold the response for at least 2 hours.

Please register your interest in the CMZ products by completing the site engagement form on the website ([www.flexiblepower.co.uk/FlexiblePower/media/Documents/FP-Site-Engagement.docx](http://www.flexiblepower.co.uk/FlexiblePower/media/Documents/FP-Site-Engagement.docx)) by **17.00 on 15/12/2017**.

## Secure service

The **Secure** service is used to manage peak demand loading on the network. This service is expected to be required on weekday evenings and may occur throughout the year due to the seasonal ratings of assets.

As these requirements are predictable, **Secure** requirements are declared each Thursday for the following week (commencing Monday). Payments consist of an Arming fee which is credited when the service is scheduled and a further utilisation payment awarded on delivery.

The week-ahead declarations are scheduled to allow customers to participate in alternative services when not required for the **Secure** service.

## Dynamic service

The **Dynamic** service has been developed to support the network during maintenance work. This will generally occur during British Summer Time.

As the service is required following a network fault, it consists of an Availability and Utilisation fee. By accepting an Availability fee, participants are expected to be ready to respond to Utilisation calls within 15 minutes. **Dynamic** availability windows are declared each Thursday for the following week (commencing Monday).

The week-ahead declarations are scheduled to allow customers to participate in alternative services when not required for the **Dynamic** service.

## Restore service

The **Restore** service is intended to support the network or help restoration in the occurrence of rare faults. Such events are rare and offer no warning as they depend on failure of equipment. Under such circumstances, response can be used to reduce the stress on the network. This is the purpose of **Restore**.

As the requirement is inherently unpredictable, **Restore** is based on a premium 'utilisation only' service. This will reward response that aids network restoration, but will pay no arming or availability fees. Participants declared available for the **Restore** service will be expected to respond to any utilisation calls within 15 minutes and will receive an associated utilisation fee.

	Secure	Dynamic	Restore
Advance Payment	Arming	Availability	None
Utilisation	Medium	High	Premium
Customer declaration	Week Ahead	Week Ahead	Week Ahead
FP Accept / Reject	Week Ahead	Week Ahead	Automatic Accept
Dispatch Notice	Week Ahead	15 minutes	15 Minutes
Seasonal Requirement	All	Summer	All
Site Type	Half Hourly Metered	Half Hourly Metered	Half Hourly Metered
Generation	✓	✓	✓
Load Reduction	✓	✓	✓