

# Flexibility academy

## Learning and development objectives:

- Understanding what flexibility is and why there is a growing need for it
- What the different flexibility services are in GB and how they work
- What technologies are active in this space and what value they achieve
- An understanding of major current topics and workstreams in the GB flexibility space
- An understanding of what potential changes on the horizon that could impact the GB flexibility markets

## **Session 1 – Introduction to the GB Flexibility Markets**

### 10 am Introduction & welcome

- Tech check!
- Aim and objectives

### Introduction to flexibility fundamentals

- Module 1**
- What is it and why is it important?
  - What role does frequency and inertia play?
  - Who is the System Operator in GB and what is their role?

### *Discussion and Q&A*

### Break

### Overview of the flexibility markets

- Module 2**
- What are the flexibility services and what are their roles in keeping a stable system?
  - How does the System Operator in GB decide which flexibility service to use?
  - Current and future flexible market sizing
  - What are the different roles in the flexibility markets and the types of commercial arrangements?

### *Discussion and Q&A*

### 11.45 Q&A

### 12.00 What we will cover off in future sessions and close

## **Session 2 – Introduction to the Response & Reserve services**

### 10 am Introduction & welcome

- Tech check!
- Aim and objectives

### Response services overview

- Module 1**
- Deep dive into what the Response services are and how they work
  - Value of Response services
  - Future considerations

### *Discussion and Q&A*

### Break

**Reserve services overview**

- Deep dive into what the Reserve services are and how they work
- Future considerations

**Module 2 Market Access**

- Revenue 'stacking' of Response and Reserve services
- Worked examples

*Discussion and Q&A*

11.45 Q&A

12.00 What we will cover off in future sessions and close

## **Session 3 – Introduction to the Balancing Mechanism and Capacity Market**

**Introduction & welcome**

- 10 am
- Tech check!
  - Aim and objectives

**Introduction into the Balancing Mechanism**

- Module 1
- What is it?
  - How does it work?
    - Bids and offers
    - Bid Offer Acceptances (BOAs)
    - Energy vs. System Actions
  - The System Imbalance Price

*Discussion and Q&A*

**Break**

**Introduction to the Capacity Market**

- Module 2
- What is it and why do we need the Capacity Market?
  - What are System Stress Events and de-rating factors?
  - How do the auctions work?
  - What obligations are placed on sites in the Capacity Market?

*Discussion and Q&A*

11.45 Q&A

12.00 What we will cover off in future sessions and close

## **Session 4 – Major current topics and the future of the flexibility markets**

**Introduction & welcome**

- 10 am
- Tech check!
  - Aim and objectives

**Major current topics in the GB flexibility markets**

- Module 1
- What are 'skip rates'; their impact on flexible generators; and how are they being addressed?

- What are the roles of Virtual Lead Parties, Virtual Trading Parties, and Asset Metering Virtual Lead Parties, and how do they work?
- Deep dive into constraint management and how it is being addressed

## *Discussion and Q&A*

### Break

#### **The Future of Flexibility in GB**

### Module 2

- What is Clean Power 2030, and what will its effect be on flexibility providers and markets?
- What are the SSEP, CSNP, and RESP and what will their impact be on the GB flexibility markets?
- What are Connections and Network Charging Reform and what will their impact on the GB market be?
- Wider emerging areas of flexibility in GB?

## *Discussion and Q&A*

11.45 Q&A

12.00 Close and next steps