

Introducing the GB Energy Market

Agenda

- 09.15** **Introduction & welcome**
- Aim and objectives

- Session 1**
- Market basics & metrics**
- Electricity and gas market structure
 - Key players in the market
 - Networks, the System Operator role, supply and generation
 - Role of BEIS and Ofgem
 - Policy overview, regulation and licensing
 - The energy market cost chain

- Session 2**
- Market design**
- Design and operation of electricity and gas systems
 - The incentive to trade and balancing the system
 - Role of the system operator
 - System management and balancing tools

10:45 **Break**

- Session 3**
- Competitive landscape (1): Retail supply**
- Gas and electricity demand trends
 - Access to gas
 - Supply markets
 - Customer segmentation and contract types
 - The Big Six and vertical integration
 - New entrant suppliers

Competitive landscape (2): Wholesale generation and production

- Gas production
 - Where do we source our gas from?
- Electricity generation
 - Electricity generation mix
 - Embedded generation
 - Key trend: the impact of renewables

Session
4

Exercise: Wholesale market trading and price drivers. Attendees will be split into groups to analyse price drivers and predict outturn market prices

13:00 Lunch

Breaking down the energy cost chain

- The impact of wholesale prices
- Network and policy costs

Session
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14.45 Break

The future

- Ongoing market changes
 - Price caps
 - Half-hourly settlement and smart metering
 - Battery technologies – role of batteries and electric vehicles
 - Changing generation mix
- **Exercise:** How might regulatory and technology changes impact different market participants?

Session
6

16:00 Discussion & conclusion

16:15 Course finishes