Introduction to Irish electricity markets

Learning and development objectives:

- Understand how the electricity markets are structured and the role of key market authorities
- Define who the key players in the retail and wholesale markets are
- Understand where we get our electricity from and implications for market prices
- Understand how the electricity markets are structured and the role of key market authorities
- Define how competitive electricity markets are designed to deliver good consumer outcomes
- Understand how energy policy programmes are designed to decarbonise the sector and how costs are recovered from customers

Session 1 – Market structure and key players

10 am	**Introduction & welcome** • Tech check! • Aim and objectives

Module 1	**Electricity market basics and metrics**
	• Electricity market structure
	  ○ Generation, networks, retailers, and customers
	• Key players in the market
	  ○ Regulators, government, the System Operator, and consumer representatives
	• Supply markets
	  ○ Household vs. business retail markets
	  ○ Key players
	  ○ Summary of differences between Irish and Northern Irish markets
	Exercise: The electricity market cost chain

Break	

Module 2	**Electricity generation and price drivers**
	• Electricity generation mix
	  ○ How electricity production has changed
	  ○ The importance of gas and where it comes from
	• The rise of renewables
	• What drives wholesale electricity price?
	Case study: Recent pricing trends

11.45	**Q&A**
12.00	**What we will cover off in session 2 and close**

Session 2 – Market design and the future

10 am	**Introduction & welcome** • Tech check! • Aim and objectives

Module 3	**Market design**
	• The Single Electricity Market (SEM)
	  ○ wholesale market design
	  ○ financial and physical markets (Day Ahead and Intraday)
	• Role of the System Operator and 'balancing'
	  ○ A brief introduction to 'DS3' balancing arrangement
	Case study: An interesting day

Break	

Module 4	**Energy policy and decarbonisation**
	• Targets for decarbonisation
	  ○ Key government documents
	• Supporting renewables – what is RESS?
	  ○ Offshore wind
	• Tomorrow's Energy Scenarios

11.45	**Q&A**
12.00	**Close**