

# Introduction to Irish electricity markets

## Learning and development objectives:

- How the electricity markets are structured and the role of key market authorities
- How competitive electricity markets are designed to deliver good consumer outcomes
- How energy policy programmes are designed to decarbonise the sector and how costs are recovered from customers
- Who the key players in the retail and wholesale markets are
- Where we get our electricity from and implications for market prices
- The principles for regulating electricity networks and how these flow through to charges for users

## Session 1 – Market structure and key players

	<b>Introduction &amp; welcome</b>
<b>10 am</b>	<ul style="list-style-type: none"> <li>• Tech check!</li> <li>• Aim and objectives</li> </ul>
	<b>Electricity market basics and metrics</b>
	<ul style="list-style-type: none"> <li>• Electricity market structure             <ul style="list-style-type: none"> <li>○ Generation, networks, retailers, and customers</li> </ul> </li> <li>• Key players in the market             <ul style="list-style-type: none"> <li>○ Regulators, government, the System Operator, and consumer representatives</li> </ul> </li> </ul>
<b>Module 1</b>	<ul style="list-style-type: none"> <li>• Supply markets             <ul style="list-style-type: none"> <li>○ Household vs. business retail markets</li> <li>○ Key players</li> <li>○ Summary of differences between Irish and Northern Irish markets</li> </ul> </li> </ul>
	<b><i>Exercise: The electricity market cost chain</i></b>
	<b>Break</b>
	<b>Electricity generation and price drivers</b>
	<ul style="list-style-type: none"> <li>• Electricity generation mix             <ul style="list-style-type: none"> <li>○ How electricity production has changed</li> <li>○ The importance of gas and where it comes from</li> <li>○ Decoupling of markets since Brexit</li> </ul> </li> <li>• The rise of renewables</li> <li>• What drives wholesale electricity price?</li> </ul>
<b>Module 2</b>	
	<b><i>Case study: Recent pricing trends</i></b>
<b>11.45</b>	<b>Q&amp;A</b>
<b>12.00</b>	<b>What we will cover off in session 2 and close</b>

## Session 2 – Market design and the future

	<b>Introduction &amp; welcome</b>
10 am	<ul style="list-style-type: none"><li>• Tech check!</li><li>• Aim and objectives</li></ul>
	<b>Market design</b>
Module 3	<ul style="list-style-type: none"><li>• The Single Electricity Market (SEM)<ul style="list-style-type: none"><li>◦ wholesale market design</li><li>◦ financial and physical markets (Day Ahead and Intraday)</li><li>◦ Capacity Remuneration Mechanism</li></ul></li><li>• Role of the System Operator and ‘balancing’<ul style="list-style-type: none"><li>◦ A brief introduction to ‘DS3’ balancing arrangement</li></ul></li></ul>
	<b>Case study: An interesting day</b>
Break	
	<b>Energy policy and decarbonisation</b>
Module 4	<ul style="list-style-type: none"><li>• Targets for decarbonisation<ul style="list-style-type: none"><li>◦ Key government documents</li></ul></li><li>• Supporting renewables – what is RESS?<ul style="list-style-type: none"><li>◦ Offshore wind</li></ul></li><li>• Tomorrow’s Energy Scenarios</li></ul>
11.45	<b>Q&amp;A</b>
12.00	<b>Close</b>