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Planning and Delivering the Electricity Transmission Network

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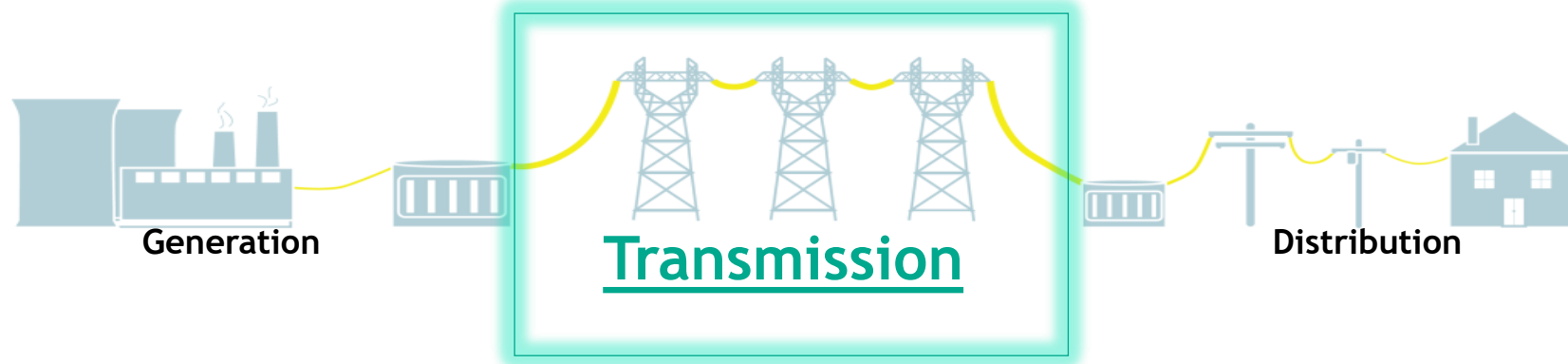
January 2026



Tionscadal Éireann
Project Ireland
2040



Who is EirGrid?



What We Do

EirGrid is Ireland's Transmission System Operator

- Responsible for planning for Ireland's long-term electricity needs

Operating the Grid

- EirGrid develops, manages and operates the electricity grid in Ireland.
- EirGrid plays a vital role in the complex job of balancing supply and demand every minute of the day.

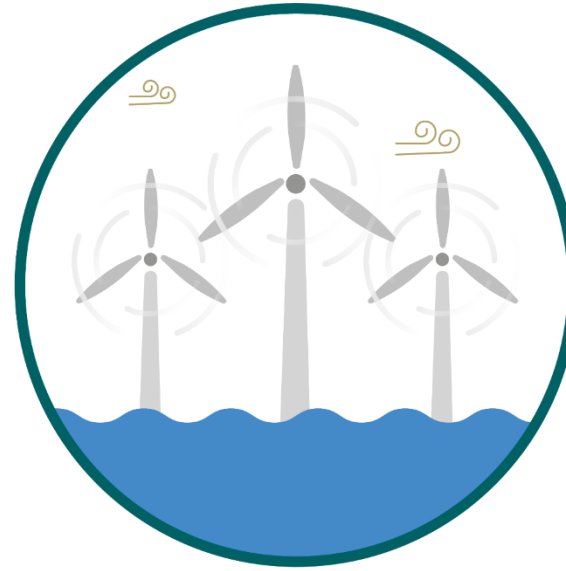
The Single Electricity Market Operator (SEMO)

- The wholesale electricity market is where electricity is bought and sold before being delivered to consumers.
- It aims to deliver:
 - Security of supply across the island.
 - A competitive process for setting prices, including the use of capacity auctions.
 - Use the interconnectors more efficiently.
 - Maximise the use of renewable sources of electricity.

Interconnectors with other Countries

Ireland's electricity grid

- More electricity will be carried across this grid than ever before, and most of this power will come from renewable sources.
- The grid needs to carry up to 10 GW more renewable electricity by 2030 - double 2020 levels.
- Power output from renewable sources depends on the weather.
- Renewable electricity is typically generated far away from where most electricity is used.



A Network fit for Net-Zero

Objective



Define a holistic network masterplan to deliver on Net Zero



Identify least-regret network improvements



Identify transmission network development requirements for:



Maximum Electrification



Maximum Offshore Wind Potential



Identify potential for operations, markets, and engagement changes



Inform early investment in the energy ecosystem

