

Ireland's Offshore Wind Resources Delivering Renewable Energy

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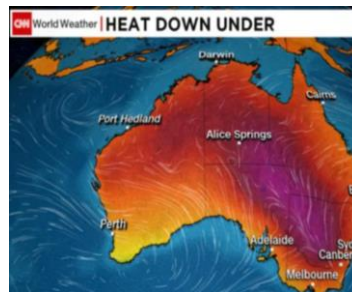
Our story so far...



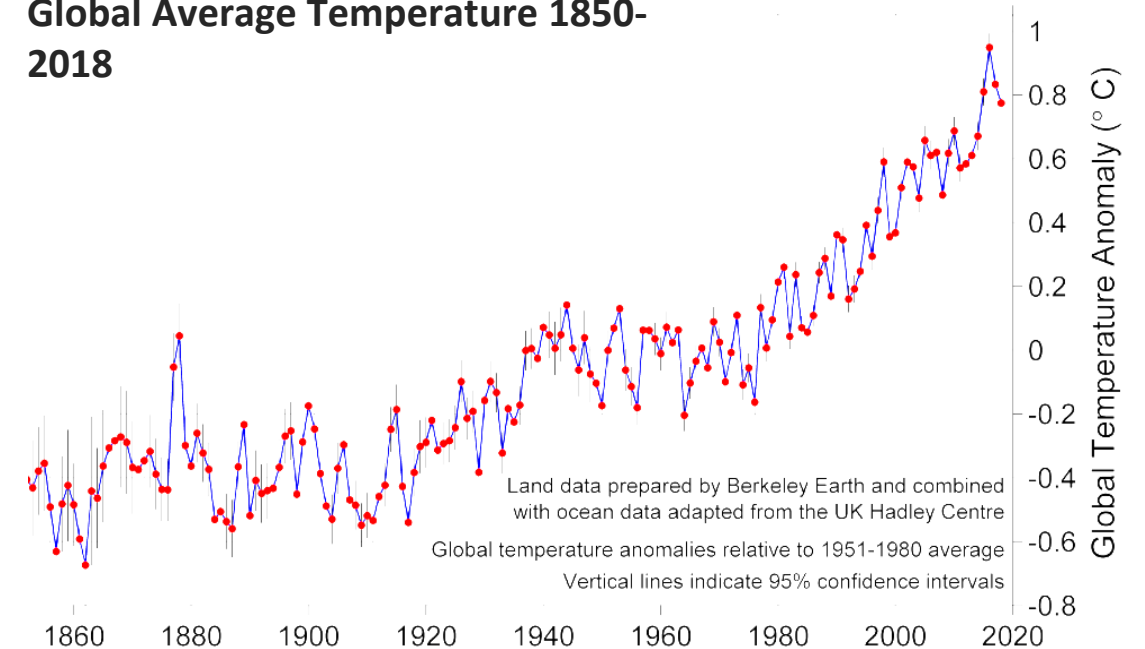
The effects of climate change are being felt already



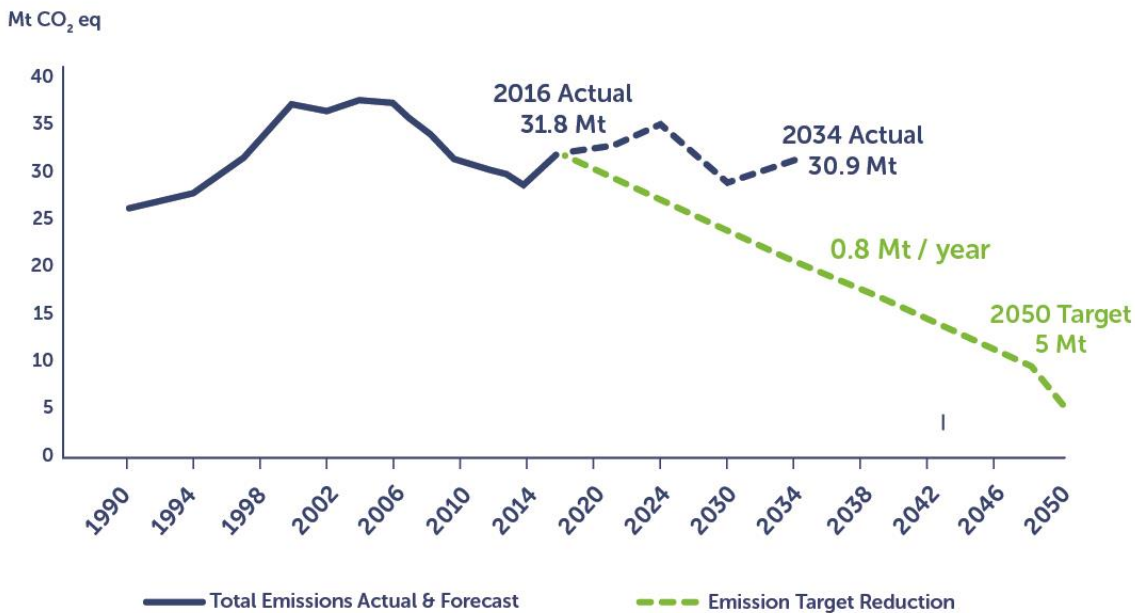
Climate Action and Low Carbon Development Act 2015



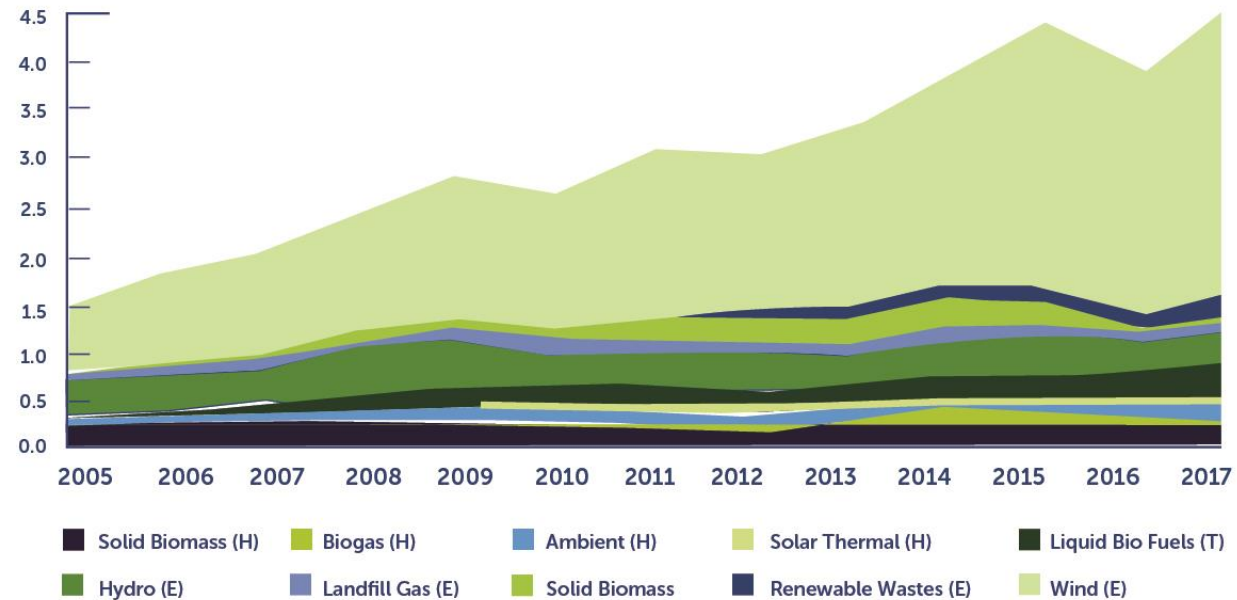
Global Average Temperature 1850-2018



We need to decarbonise power, while keeping the lights on



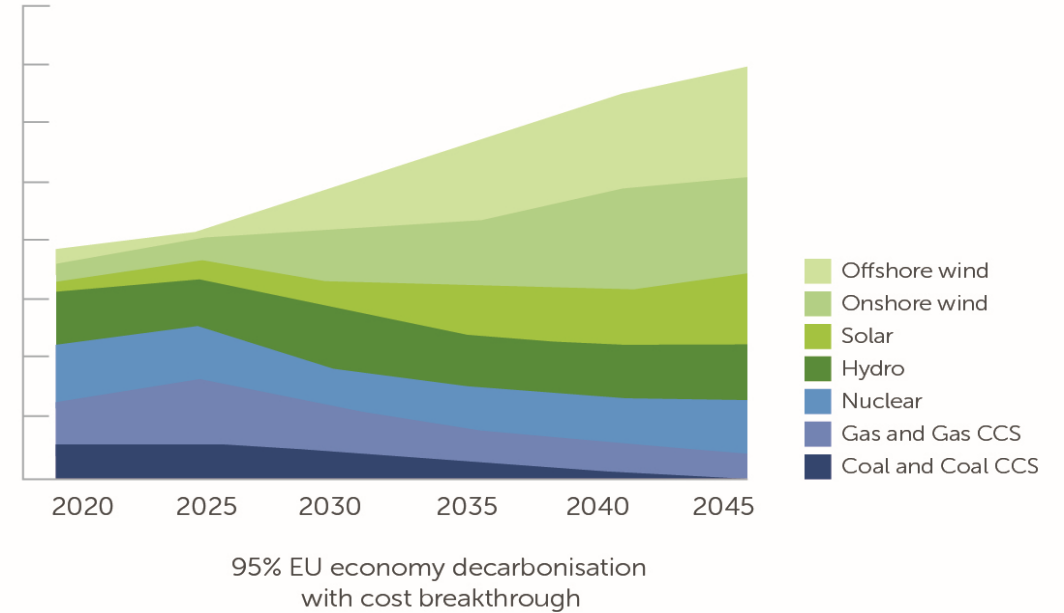
Abated carbon dioxide emissions (MCO₂)



The future is bright, the future is electric



Eurelectric decarbonisation pathways
Generation by fuel type 2020-2045, TWh



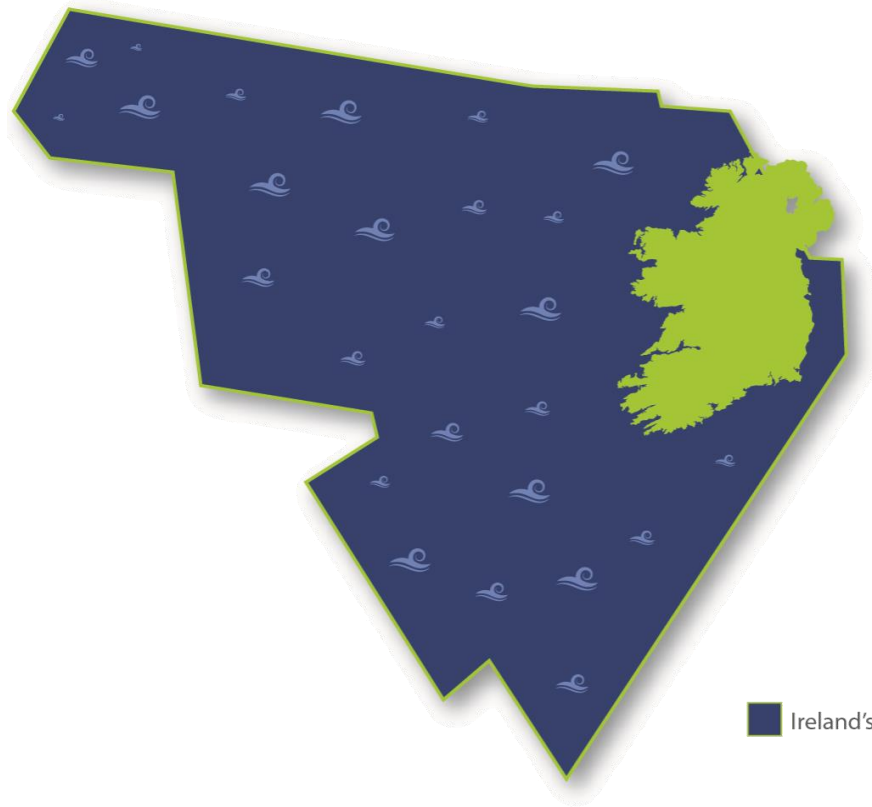
Decarbonisation of heat, transport and industry likely to require major electrification of the economy...

...and reliable electricity is critical to the economy and well-being

Resource and capability to power Ireland's future

IRELAND'S OFFSHORE RESOURCE

IRELAND'S OFFSHORE CAPABILITY



 Ireland's Offshore Resource

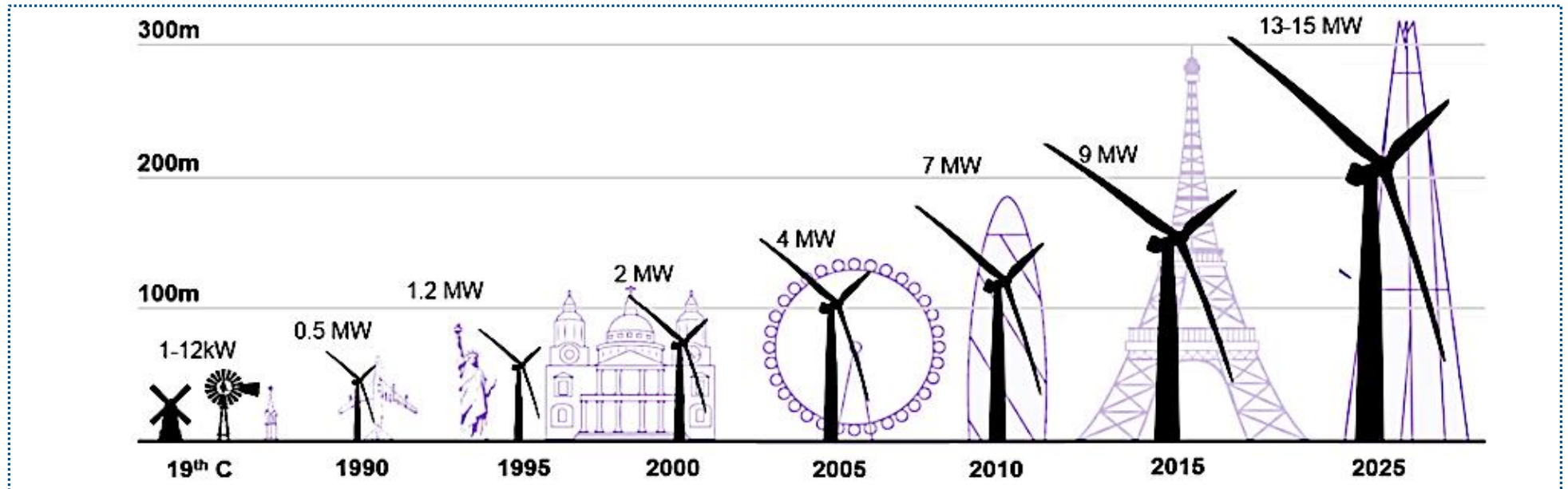
Irish Maritime Development Office

IPORES 2018

A Review of Irish Ports
Offshore Renewable
Energy Services

Technology is taking us to a better world of energy






Evolution
of wind
turbine
heights
and outputs



TECHNOLOGY IS MAKING THE LOW-CARBON TRANSITION MORE AFFORDABLE AND ACHIEVABLE...

Building on the experience of those who have gone before

Existing capabilities

	Offshore wind resource	✓
	Availability of capital	✓
	Developer / Utility capabilities	✓
	Cost of deployment falling	✓
	Skills base	✓
	Government policy*	✓

Headline benefits

Economic opportunity	
FDI benefits	
Grid efficiency	
Electrification of transport	
Social and community benefits	
EU 2020 / 2030 Targets	

Beatrice Offshore Wind Farm



<https://vimeo.com/322862272/96f47bb844>



Offshore wind is Ireland's enabler to meet the climate challenge



KEY REQUIREMENTS

- **A strong signal of intent from Government** – to be deliver through a higher RES-E target of 70% in the NECP, establishing an IFSC model for offshore wind to develop on a clear ambition
- **Ensure a facilitative policy environment is in place** – through the design of the new RESS, grid connection policy and consents regime
- **Provide certainty to stimulate the investment market and supply chain to enable offshore wind** – a clear vision for the next decade will encourage investors to Ireland.

Thank You

