

# Delivering Energy Independence for Ireland

*Overview of wind energy in Ireland*

Wind Energy Ireland

*Oireachtas Members Briefing*

26 October 2022

[windenergyireland.com](http://windenergyireland.com)



# Wind Energy Ireland represents over 180 members covering all aspects of Onshore and Offshore Wind



## Members across existing assets, development & supply chain for onshore & offshore:

- Wind farm developers
- Turbine manufacturers
- Construction companies
- Supply companies
- Accountants
- Insurance
- Consultancy
- Legal firms
- Banks
- Small local businesses



Ireland will be energy independent.

The decisions we make **now** will  
decide **when**.



Building a zero  
carbon Ireland

Wind Energy Ireland Strategy 2022 - 2025



[www.windenergyireland.com](http://www.windenergyireland.com)

# Wind Energy Ireland Our Vision

We will lead Ireland to a zero-carbon electricity system by 2035.

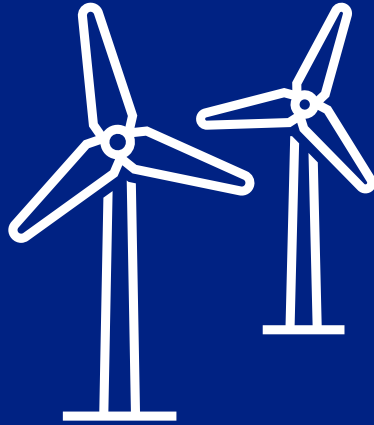


# We have the targets...and we have the pipelines

Ireland must cut CO<sub>2</sub> emissions by 30 million tonnes per year by 2030.

Power sector emissions must be cut by 75%.

Delivering our wind energy targets is critical to this.



Over **10,000 MW** of **Onshore Wind**  
in active development in Ireland

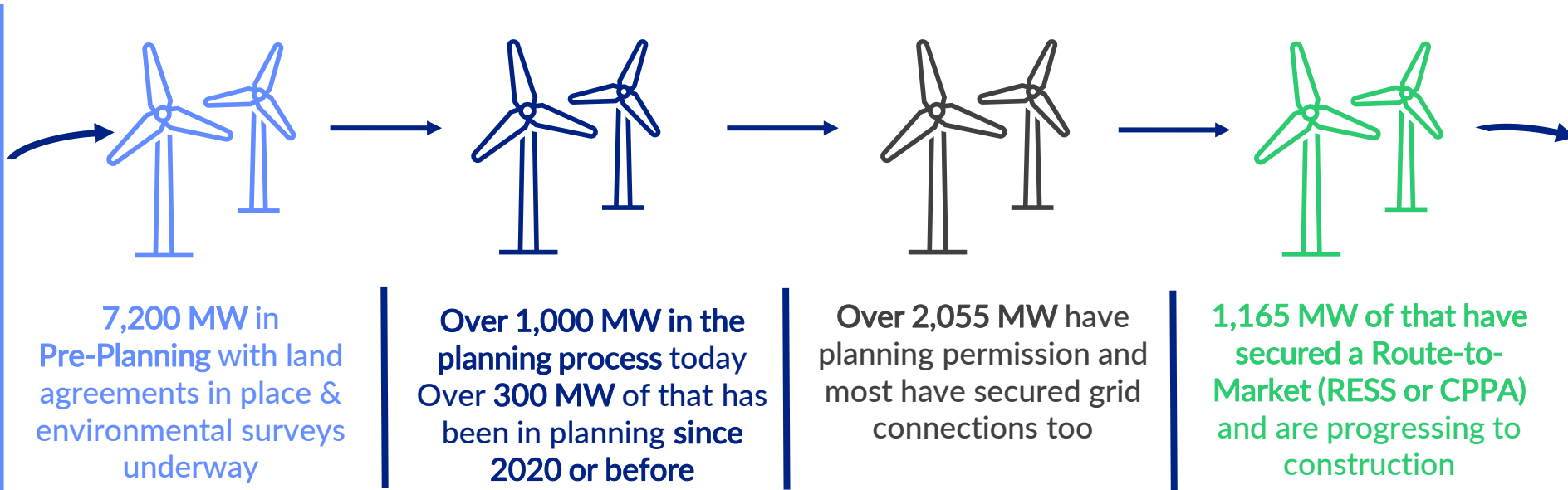


Over **30,000 MW** of **Offshore Wind**  
in active development in Ireland

# Onshore Wind Energy Pipeline 2022



WHERE WE ARE NOW  
Sept 2022  
MW INSTALLED:  
**4,375 MW**



WHERE WE WANT TO GET TO  
2030 TARGET:  
**8,200 MW**

## Key takeaways:

- Over 10 GW in development competing for 2030 delivery
- Planning system is the bottleneck - over 300 MW in the system since 2020 and another 1 GW going for planning in 2022.
- Grid upgrades and reinforcements need to be delivered urgently
- Onshore wind energy will save more carbon emissions for Ireland this decade than any other technology in the entire Climate Action Plan

# Offshore Wind Energy Pipeline 2022

## Projects Competing for 2030 Delivery



Over 5,000 MW in development off the West Coast across 6 projects



Over 13,000 MW in development off the East Coast across 16 projects



Over 10,000 MW in development off the South Coast across 10 projects

## Key Takeaways:



Over 28GW in development competing for 2030 delivery



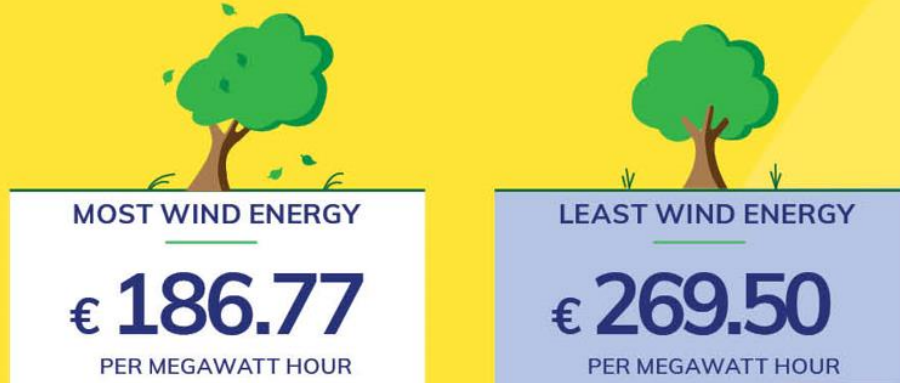
Additional 15GW in development for post-2030



Over 10 floating offshore wind projects in development

# Wind works. And it's lowering prices for consumers.

In September 2022 the Average Price of Electricity on the days with:



MONTHLY PRICE COMPARISON — 2021 — 2022



2022

## Renewables drive value for consumers

1. Wind energy lowers wholesale energy prices and keeps prices down by keeping the most expensive fossil fuels off the system.
2. The PSO levy will return €490 million to consumers and businesses over 2022/23 thanks to new renewables connecting following RESS auctions.
3. The EU price cap process will lead to further returns to the consumer but details still being worked out.

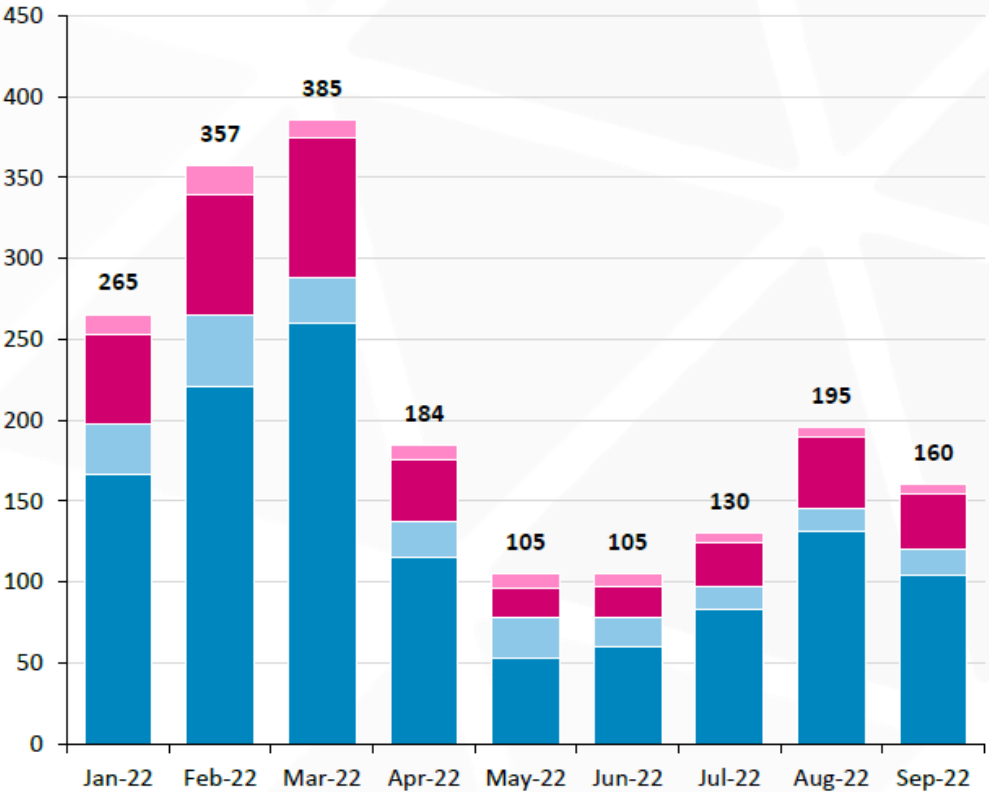


# Fossil fuel & carbon savings unlocked by wind

Approximately €1,890m of fuel and carbon costs have been displaced by wind power across the island from January 2022 to September 2022 inclusive

Monthly Cost Savings | January 2022 – September 2022

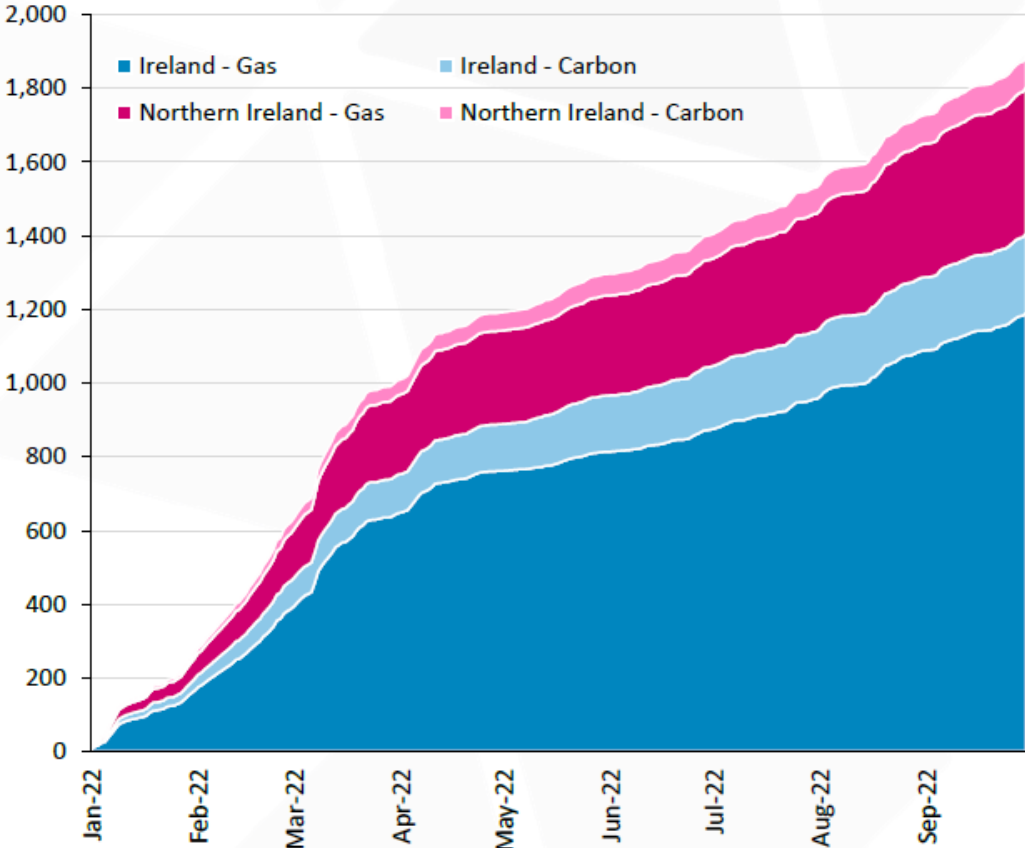
€M, nominal



■ Ireland - Gas ■ Ireland - Carbon ■ Northern Ireland - Gas ■ Northern Ireland - Carbon

Cumulative Savings | January 2022 – September 2022

€M, nominal



We have the pipeline.

We have the ambition.

Now we need action.

# Significant progress over last two years

- Two onshore auctions successfully carried out under the Renewable Electricity Support Scheme.
- Maritime Area Planning Act enacted to provide a legislative basis for offshore planning.
- First Maritime Area Consents to be confirmed shortly along with Terms and Conditions for first offshore auction.
- EirGrid *Shaping Our Electricity Future* strategy published and now being redrafted to reflect enhanced climate ambition.
- An Offshore Wind Delivery Task-Force and a Port Co-ordination Group established by the Government.
- Additional resources provided to An Bord Pleanála, NPWS and new staff recruited in DECC and the CRU.

# The top of every risk register...



## The Planning System

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Resources urgently needed in An Bord Pleanála, NPWS and other agencies. The system is simply not able and not ready to process the volume of onshore and offshore planning applications. The new onshore wind energy guidelines need to be published to support the delivery of onshore wind energy targets.



## The Electricity Grid

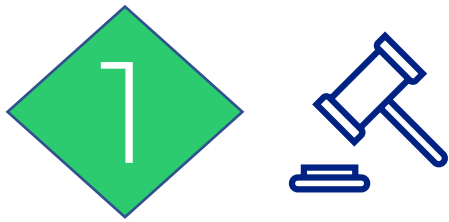
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Need full political support for EirGrid's strategy to reinforce the electricity grid. Ireland needs a strong, secure, electricity grid.

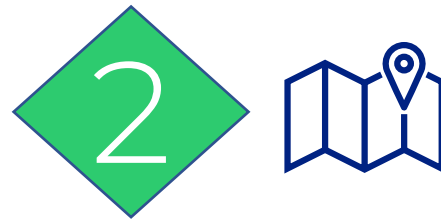
# Getting ready for O-RESS – The offshore auction

We are now **189 days** from the closing date for bids for O-RESS 1

**Certainty** is key to deliver volume and to deliver value for the consumer



Auction Design  
Certainty



Consenting  
Certainty



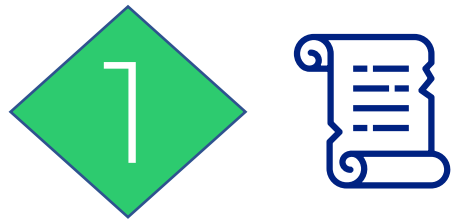
Grid  
Certainty

Clarity on these issues must be provided by the end of December 2022.

# Getting ready for Offshore Phase 2

7GW by 2030 can only be delivered with a successful Phase 2 process

Again...**Certainty** is key to deliver projects which can progress for 2030



Foreshore  
License Delivery



MARA  
Establishment



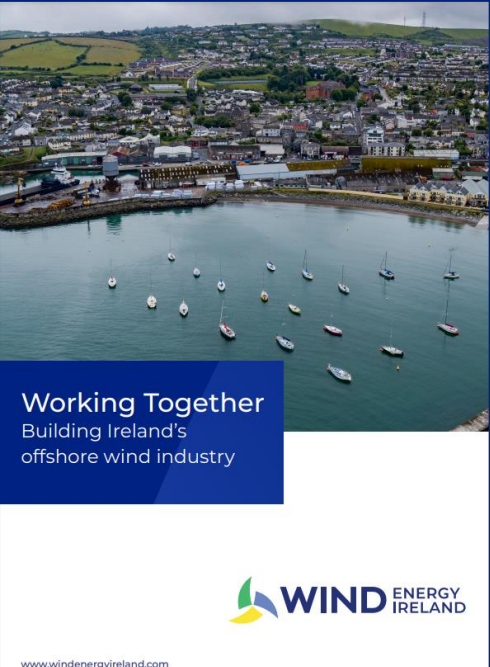
Phase 2 Policy  
Statement

Time is running out for Phase 2 to be able to deliver for 2030.

# Delivering Offshore Wind



Industry is ready to deliver.



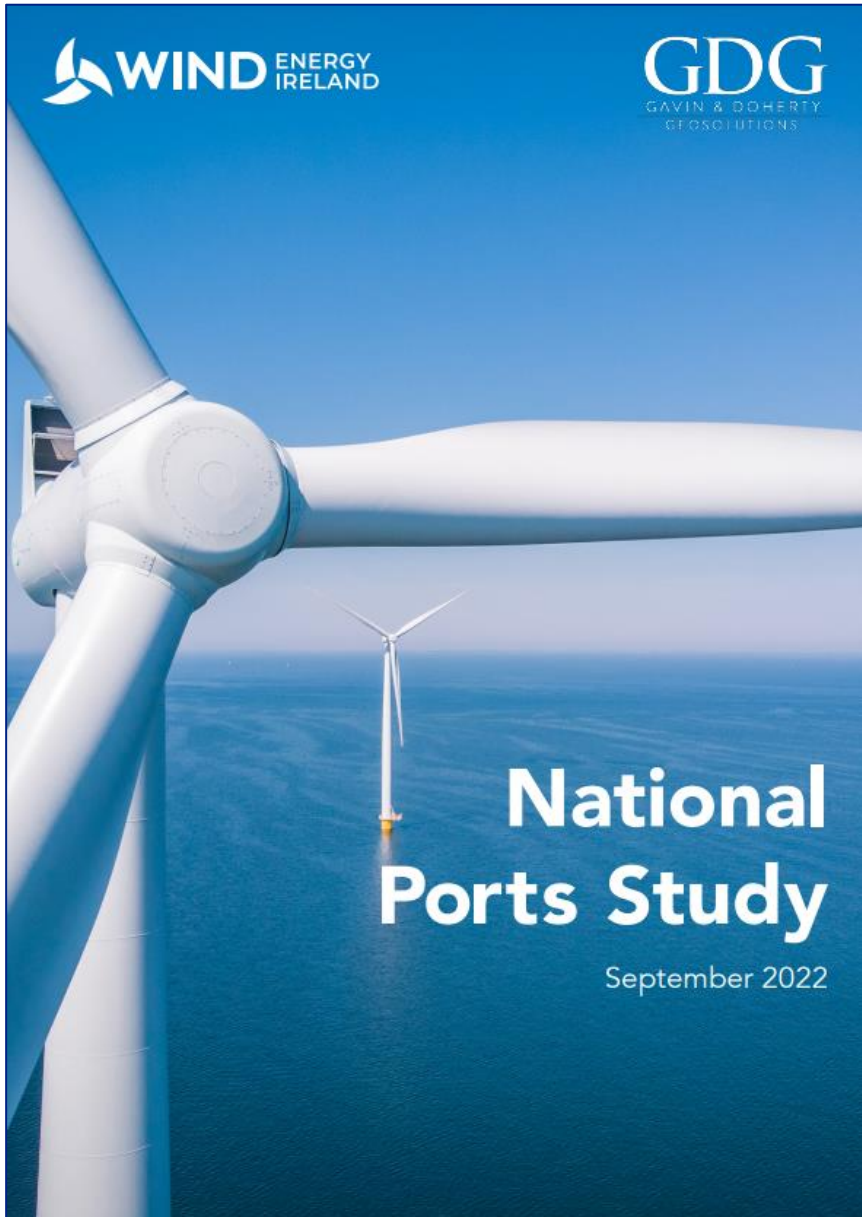
March 2020

December 2020

July 2021

September 2021

April 2022



We want to build Irish offshore wind farms in Irish ports.

National Ports Study recommends action to enable Irish port development.

 Funding  Clarity  Planning

Irish port development key to energy independence.



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**We need to act.**



# WIND ENERGY IRELAND

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