



# Codling Wind Park

Update to Dublin City Council

March 2023



# Agenda

<b>1</b>	<b>Codling Wind Park overview &amp; timeline</b>
<b>2</b>	<b>Project status and progress</b>
<b>3</b>	<b>Grid connection works at Poolbeg</b>
<b>4</b>	<b>Environmental Impact Assessment process</b>
<b>5</b>	<b>Community benefits</b>
<b>6</b>	<b>Engagement, consultation and next steps</b>
<b>7</b>	<b>Questions and Answers</b>

1

# Codling Wind Park overview & timeline



# The people behind Codling Wind Park

## Our partners



### **Dedicated offshore wind developer and 50% owner of Codling Wind Park**

- Building on Fred. Olsen related companies' long experience within renewable energy and Fred. Olsen Renewables' 25 years of wind development experience and expertise.
- Fred. Olsen Renewables was involved in Codling from 1999 to 2022, when it was transferred to Fred. Olsen Seawind



### **Acquired 50% stake in Codling Wind Park in February 2020**

- A world leader in renewable electricity
- Over 13.8 gigawatt (GW) installed capacity worldwide in more than 20 countries
- Strategic plan to increase total renewable capacity to 60GW by 2030



# What is Codling Wind Park?

## Codling site and project parameters



- Location: 13-22km from shore between Greystones and Wicklow Town
- Site size: 125km<sup>2</sup>
- Number of turbines: up to 100
- Maximum tip height: 320m
- Maximum export capacity: 1450MW
- Operations and Maintenance base: Wicklow Port
- Grid connection location: Poolbeg, Dublin

## Project contribution

- Largest of the six Phase One projects
- One of the largest energy infrastructure investments in Ireland this decade
- Contribution: sufficient electricity to power up to 1.2 million homes



### Key:

-  Codling Wind Park
-  12 nautical miles (NM) Irish limit



# Benefits

## Environment



**80% renewables target**



**Electricity for up to 1.2 million Irish homes**



**Up to 2 million tonnes CO<sub>2</sub> savings**

## Economic



**Significant infrastructure investment**



**1,000+ construction & 75 long-term jobs**



**Opportunities for local ports**

## Social



**Multi-million Euro Community Benefit Fund**

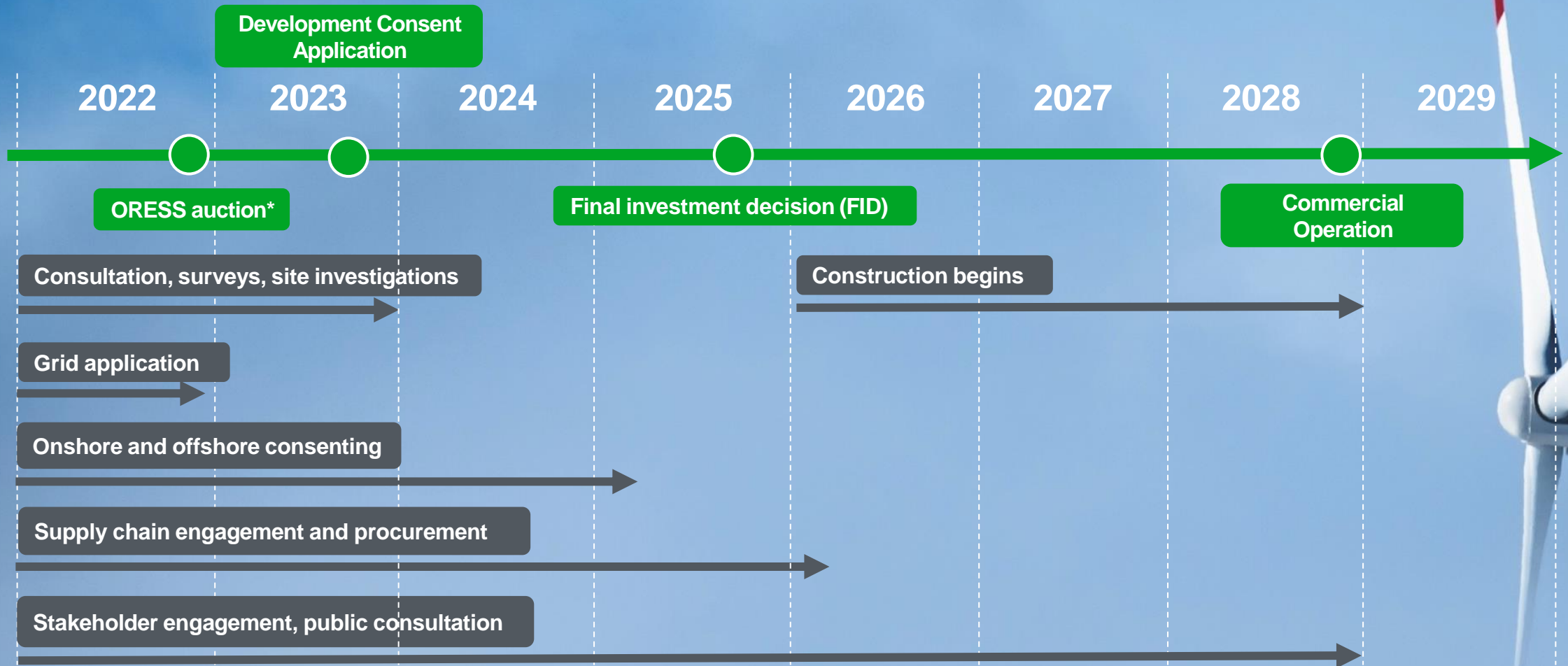


**Education and training opportunities**



**Local supply chain development**

# Indicative Project Timeline



\*ORESS = Offshore Renewable Electricity Support Scheme

# 2

## Project status and progress





# Project elements

1.

## Offshore infrastructure

- Location: Codling Bank site (13-22km off the Wicklow coast)
- Requirements:
  - Up to 100 turbines
  - 2-4 offshore sub-stations
  - Inter-array cables
  - Offshore export cable

2.

## Onshore grid infrastructure

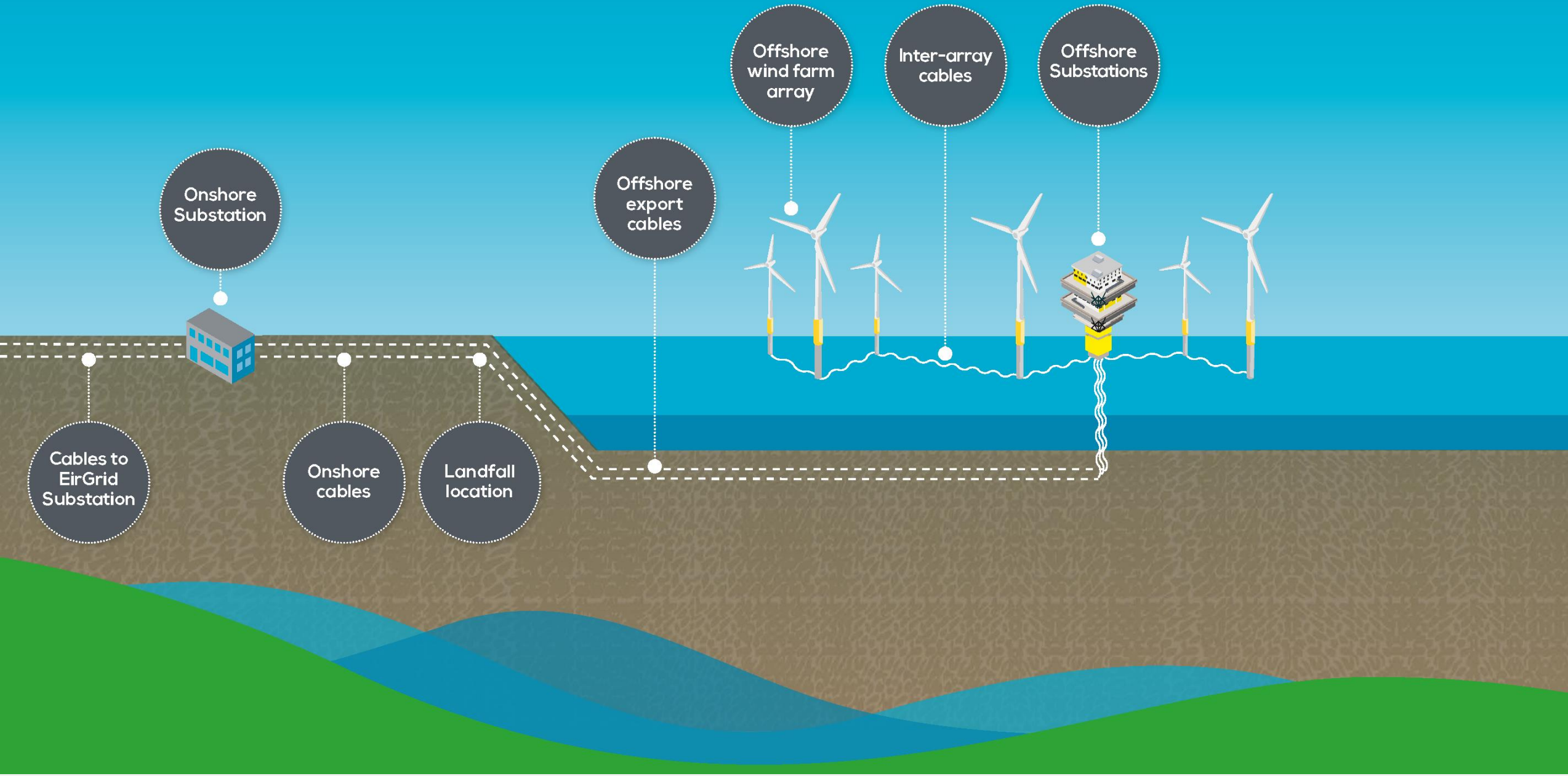
- Location: Poolbeg (due to existing EirGrid sub-station)
- Requirements:
  - Onshore sub-station
  - Landfall site (where offshore cable comes ashore)
  - Underground cable connecting landfall location to sub-station

3.

## Operations & Maintenance Base

- Location: Wicklow Port (long-term project base)
- Requirements:
  - Office facilities, including remote operations and control centre
  - Warehousing and car parking
  - Berthing space for 2-3 crew transfer vessels

# Overview of project elements



# 3

## Grid connection works at Poolbeg





# Grid connection: why Poolbeg and what is needed?

## Why Poolbeg?

- Project must connect into existing EirGrid transmission network
- Three locations for initial consideration: Poolbeg, Carrickmines and Ballybeg (Wicklow)
- EirGrid confirmed Poolbeg as preferred location in recent months
- Rationale: greatest available capacity for up to 1,450MW project

## What is required at Poolbeg?

- Onshore substation
- Landfall site (where offshore cable comes ashore)
- Underground cable connecting landfall location to sub-station
- Temporary construction compound(s) (at landfall location)

## Constraints

- Limited suitable available land on the Poolbeg peninsula



# 4

## Environmental Impact Assessment Process





# Environmental Impact Assessment Process



## Purpose

Identify, assess, mitigate and manage potential environmental impacts associated with construction, operation and decommissioning



## Surveys

### Marine

- Ecology and ornithology (since 2002)
- Habitat surveys
- Geophysical surveys
- Geotechnical
- Metocean
- Fisheries data collection

### Onshore

- Biodiversity
- Hydrology
- Noise
- Archaeology
- Transport
- Landscape and visual



## Output

Environmental Impact Assessment Report, submitted with consent applications.

Information to be used in the design of Codling Wind Park.



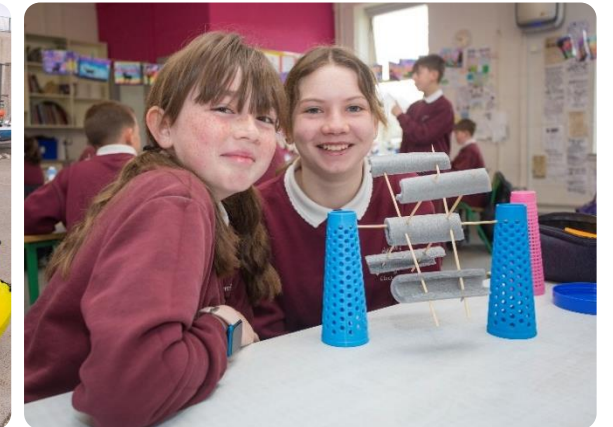
# 5

## Community benefits



# Community benefits

- Committed to bringing benefits to the local economy and communities through: jobs, use of local businesses and facilities, training and development opportunities
- Community Benefit Fund (CBF):
  - Annual, multi-million Euro fund, expected to last for 20 years, and a key feature of ORESS
  - Community yet to be defined, subject to consultation
  - Fund administrator and CBF Committee to be put in place to administer and develop a plan
- Completed STEAM education programme for primary school children in four schools in Wicklow – 2021/2022



# 6

## Engagement, consultation & next steps





# Phase 2 of public consultation

## Three phases of pre-planning consultation :

- Phase 1 (Wicklow only): March 2021
- Phase 2: Jan/Feb 2023
- Phase 3: Mid 2023

## Phase 2 consultation elements:

- Virtual consultation room: January 11-February 8 ([www.codlingwindpark.ie](http://www.codlingwindpark.ie))
- In-person exhibition: Clanna Gael Fontenoy GAA Club, January 25<sup>th</sup> (09:00-14:00 and 17:00-20:00)
- Dedicated information clinics x 10 hours, January 26-February 4 (by appointment)

## Purpose of consultation activities:

- To share information on our latest project proposals, onshore and offshore
- To seek feedback on our project proposals and on how we can best contribute to the community, economy and education and training opportunities of our project area



# Ongoing Engagement and Listening

## Ongoing engagement and listening:

- Full-time Community Liaison Officer
- Fisheries Liaison Officer
- Monthly information clinics: Greystones, Kilcoole, Wicklow
- Meetings with key community groups

## For queries and ongoing engagement, contact:

- **Pat Sammon, External Affairs Manager**  
[pat.sammon@codlingwindpark.ie](mailto:pat.sammon@codlingwindpark.ie), 087 0921786
- **Courtney French, Fisheries Engagement Manager**  
[courtney.french@codlingwindpark.ie](mailto:courtney.french@codlingwindpark.ie), 087 3773194
- **Gráinne Fennell, Community Liaison Officer**  
[grainne.fennell@codlingwindpark.ie](mailto:grainne.fennell@codlingwindpark.ie), 087 1011473





# Questions & Answers