Proposed Ballynagare Wind Farm
Public Consultation Webinar

EMPower

Ballynagare Wind Farm Proposal

EMPower

- Company Introduction
- Wind Farm Design
- Community Fund
- Q&A
- EIA Activities
- Q&A
- Conclusion

Company Introduction

EMPower

95 Years

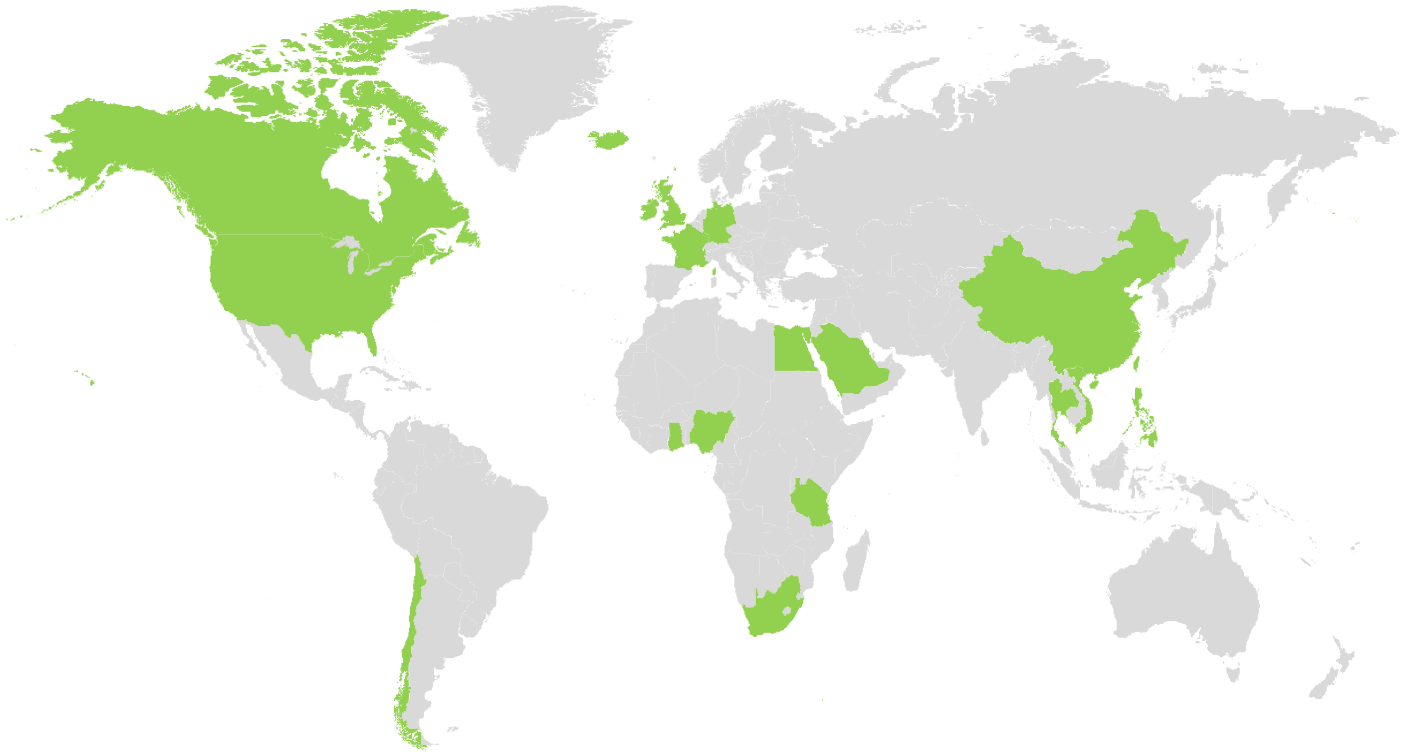
Combined Experience of EMPower Management Team in Renewable Energy

+700 MW

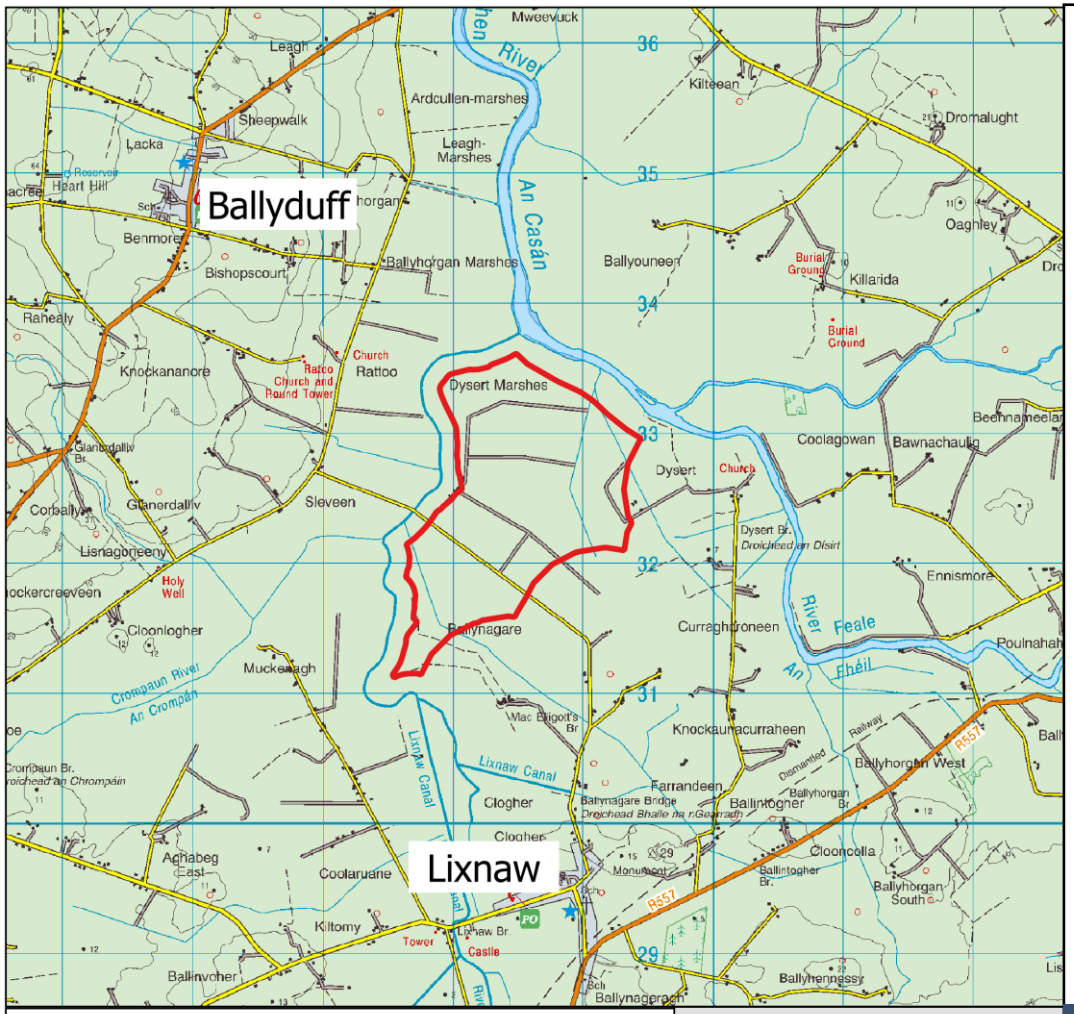
Wind Energy Capacity Currently Under Development By EMPower

5 Continents

Combined Geographical Experience of EMPower Team in Renewable Energy



Project Introduction



Ballynagare Wind Farm

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0 900 1800 m

Legend

Ballynagare Buildable Area

Proposed Ballynagare Wind Farm

-

Ballynagare, Dysert, Dysert Marshes and Curraghcroneen in Co. Kerry

-

Up to 10 Turbines

-

Estimated 56 MW

-

Tip height of 165m to 170m

-

Enough clean electricity to power over 33,000 Irish homes

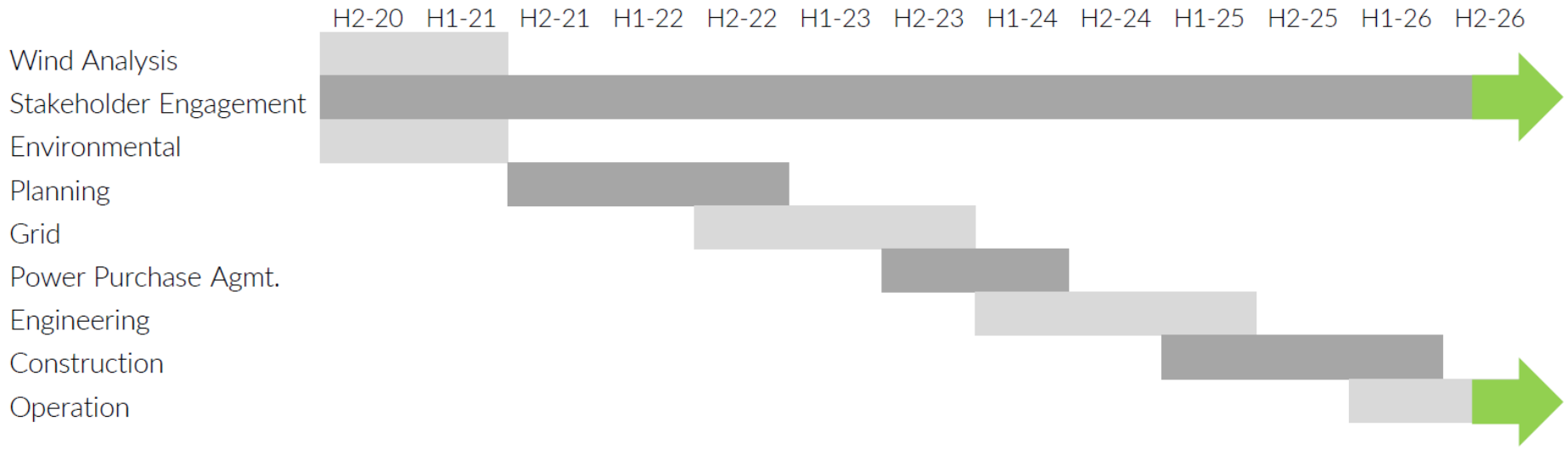
-

Estimated community benefit fund of €277,657 per annum

MKO

Proposed Project Schedule

Planning Submission to An Bord Pleanala (Strategic Infrastructure Development)	Summer 2021
Grid Connection Submission	Summer 2022
Renewable Electricity Support Scheme Submission	Summer 2023
Construction Commences	Spring 2025



Energy Targets in Ireland

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Table 7.5 Potential Metrics to Deliver Abatement in Electri

Key Metrics	2017	2025 Based on MACC	2030 Based on MACC
Share of Renewable Electricity, %	~30%[20]	52%	70%
Onshore Wind Capacity, GW	~3.3	6.5	8.2
Offshore Wind Capacity, GW	NA	1.0	3.5
Solar PV Capacity, GW	NA	0.2	0.4
CCGT Capacity, GW	~3.6	5.1	4.7

70%
Renewables by 2030

8.2 GW
Onshore wind by 2030

Source – Department of Communications, Climate Action and Environment
Climate Action Plan 2019
Marginal Abatement Cost Curve (MACC) Analysis

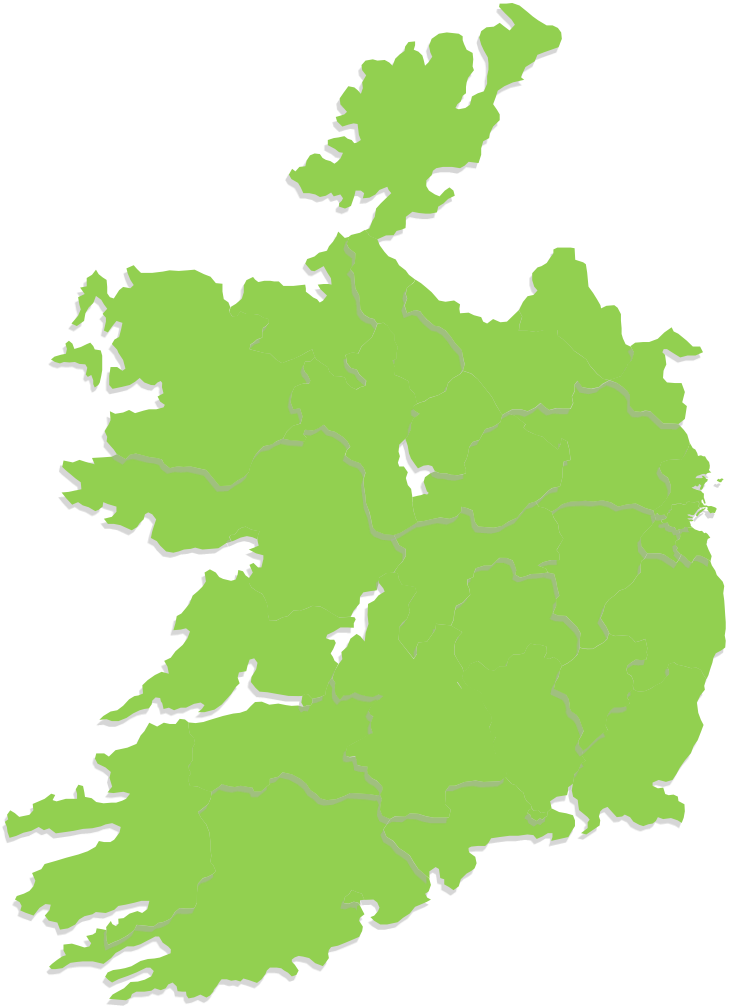
Site Screening

EMPower

Grid | Wind | CDP | SACs | Housing | Capacity | Land

Screening analysis performed on the entire Republic of Ireland incorporating constraints such as:

- Wind speed
- Grid connection
- Environmental Designations
- Culture and heritage
- Tourism
- County Development Plans
- Existing, planned and permitted projects
- Housing



Site Screening

EMPower

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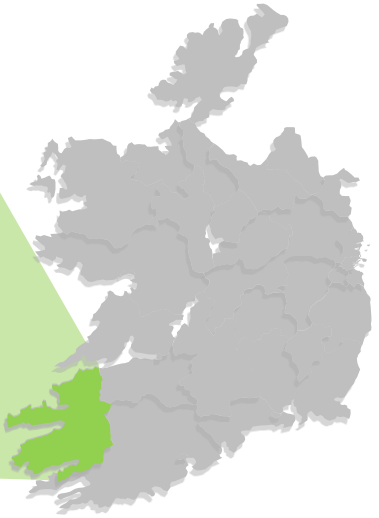
Screening analysis performed on the entire Republic of Ireland. Example of County Kerry shown.



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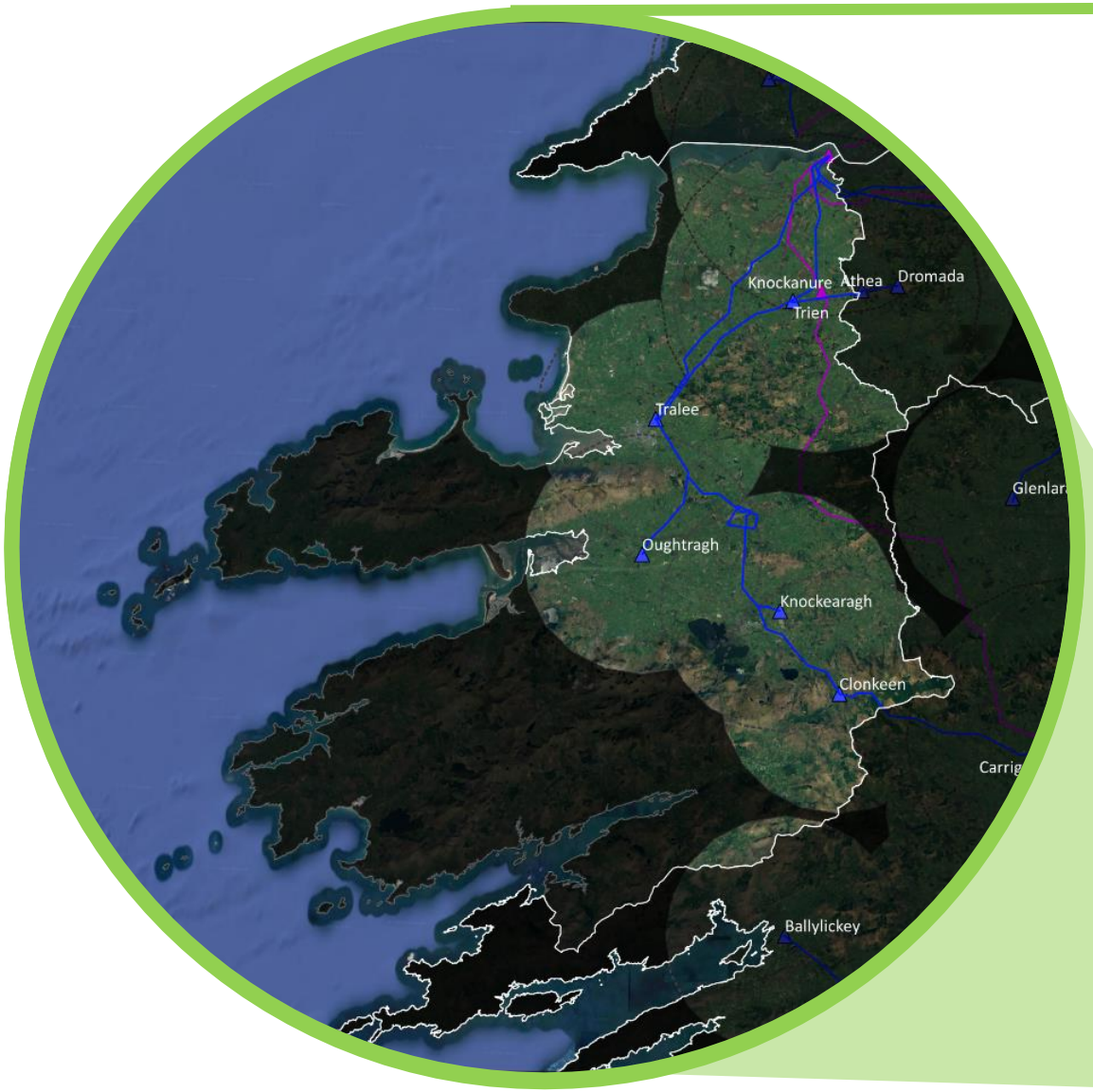
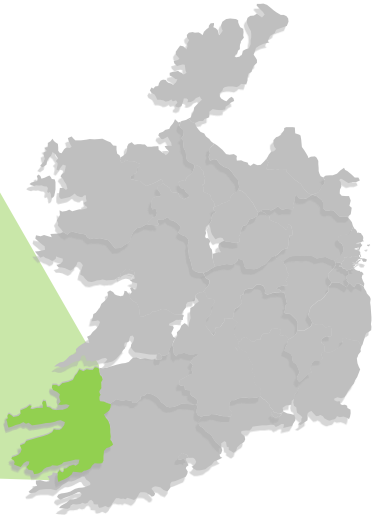


Legend

- 220kV Line
- 220kV Substations
- 110kV Substations
- 110kV Line
- Areas Outside Economic Distance of Grid

Screening analysis performed on the entire Republic of Ireland. Example of County Kerry shown.



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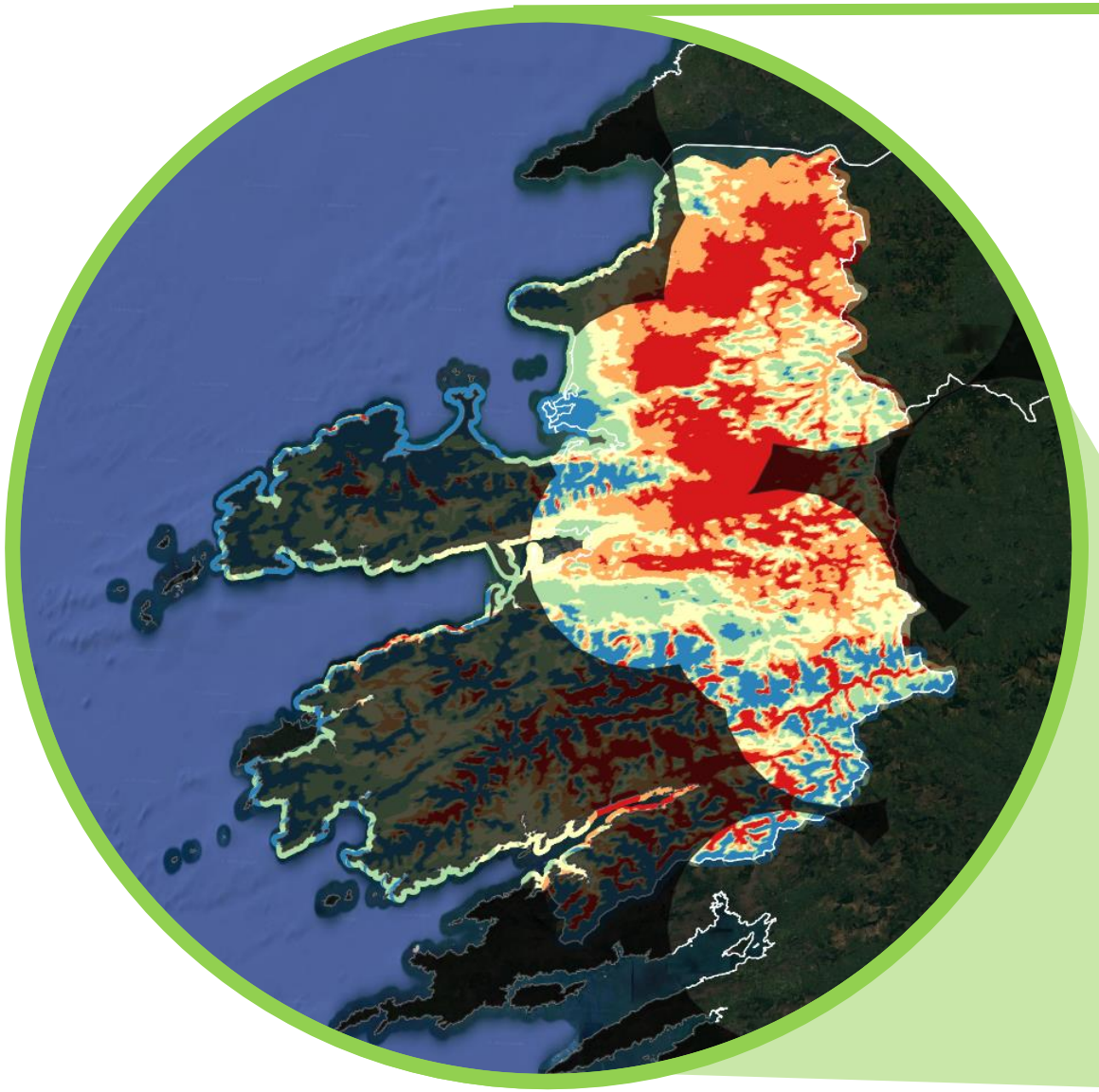

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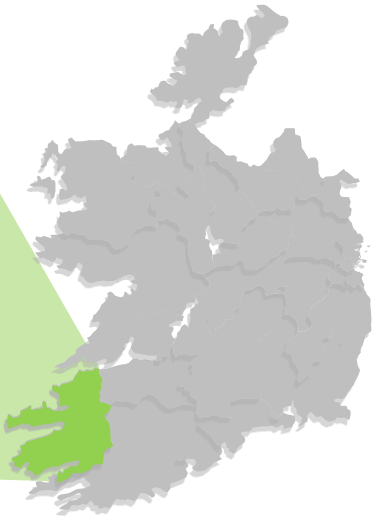

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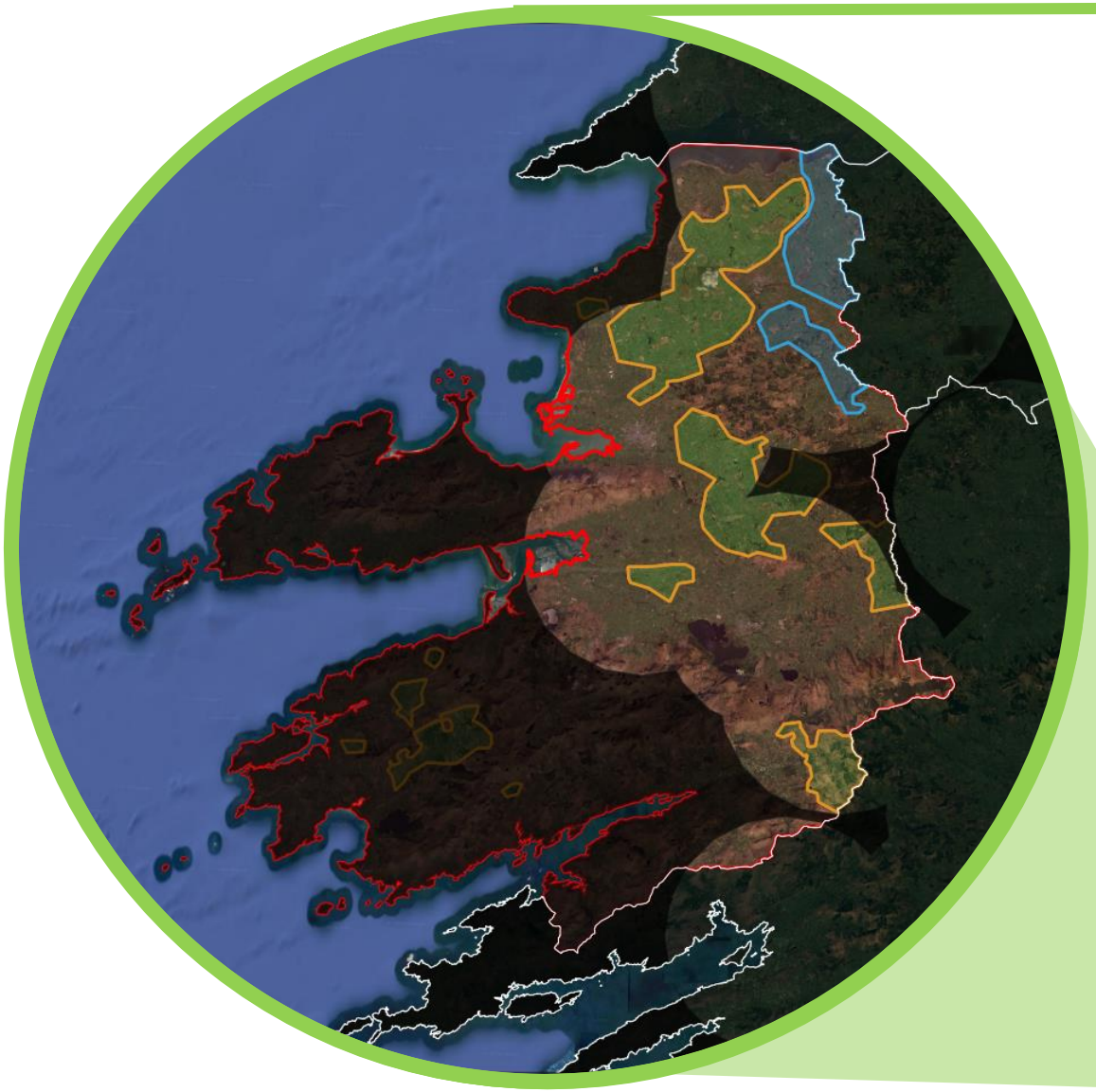
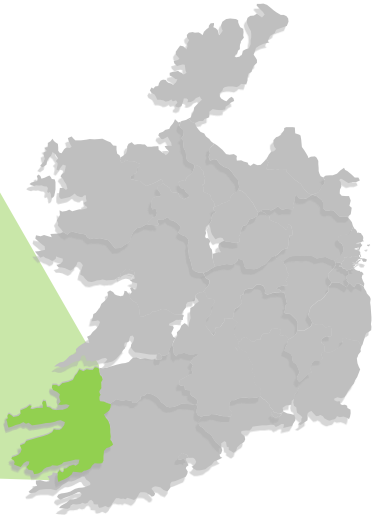


Legend

- 220kV Line
- 220kV Substations
- 110kV Substations
- 110kV Line
- Areas Outside Economic Distance of Grid
- Kerry Strategic
- Kerry OTC
- Kerry Unsuitable

Screening analysis performed on the entire Republic of Ireland. Example of County Kerry shown.



Site Screening

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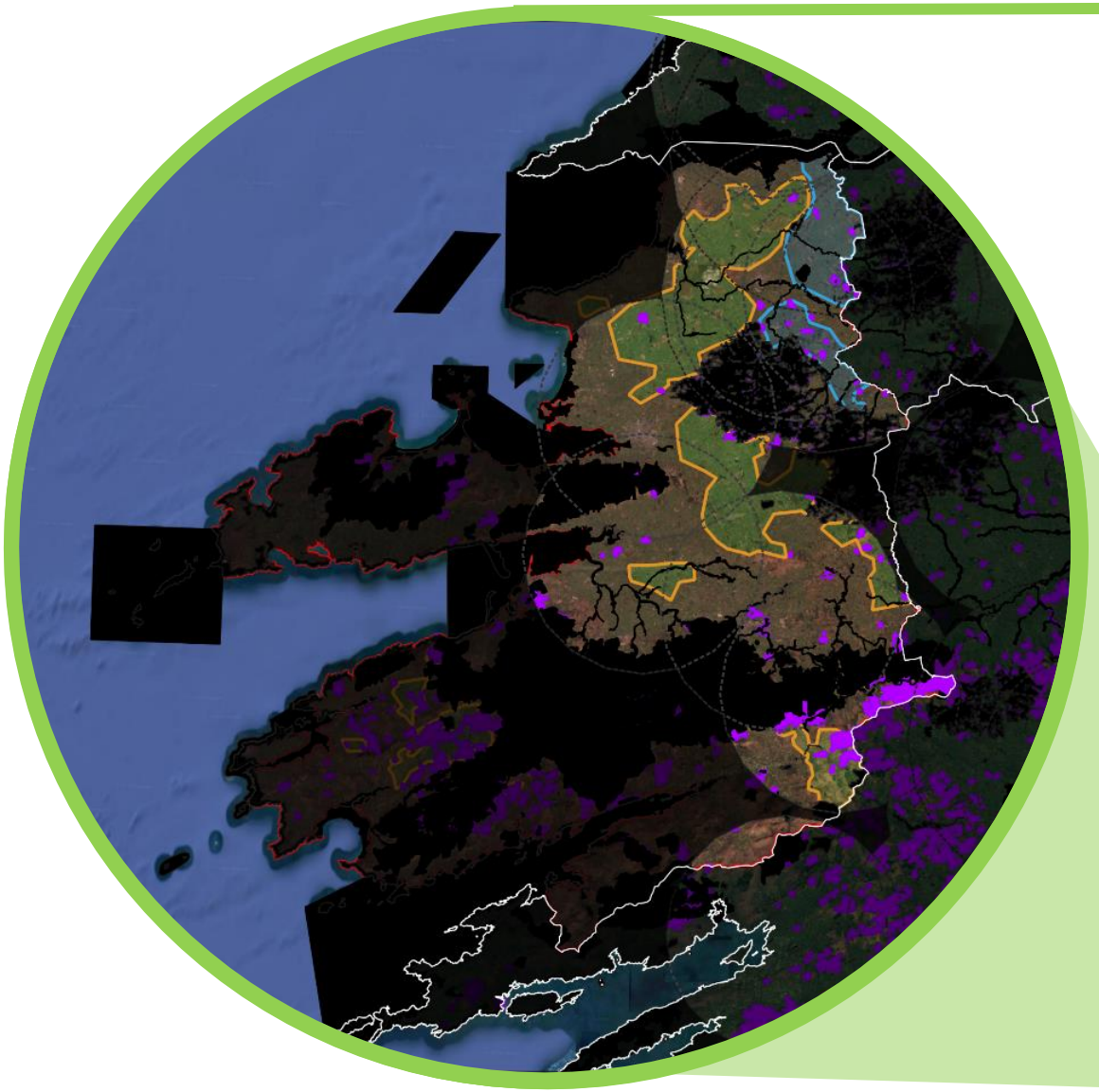
Grid → Wind → CDP → SACs → Housing → Capacity → Land



Legend

- Kerry Strategic
- Kerry OTC
- Kerry Unsuitable
- Environmental Designations
- Coillte Land

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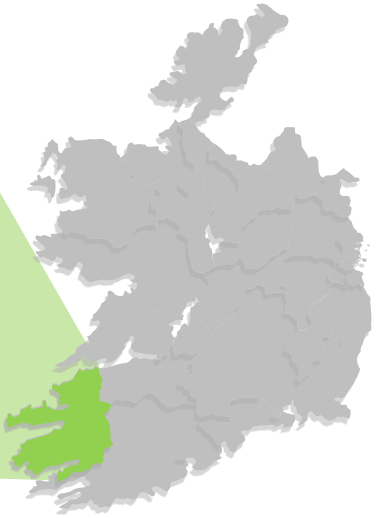

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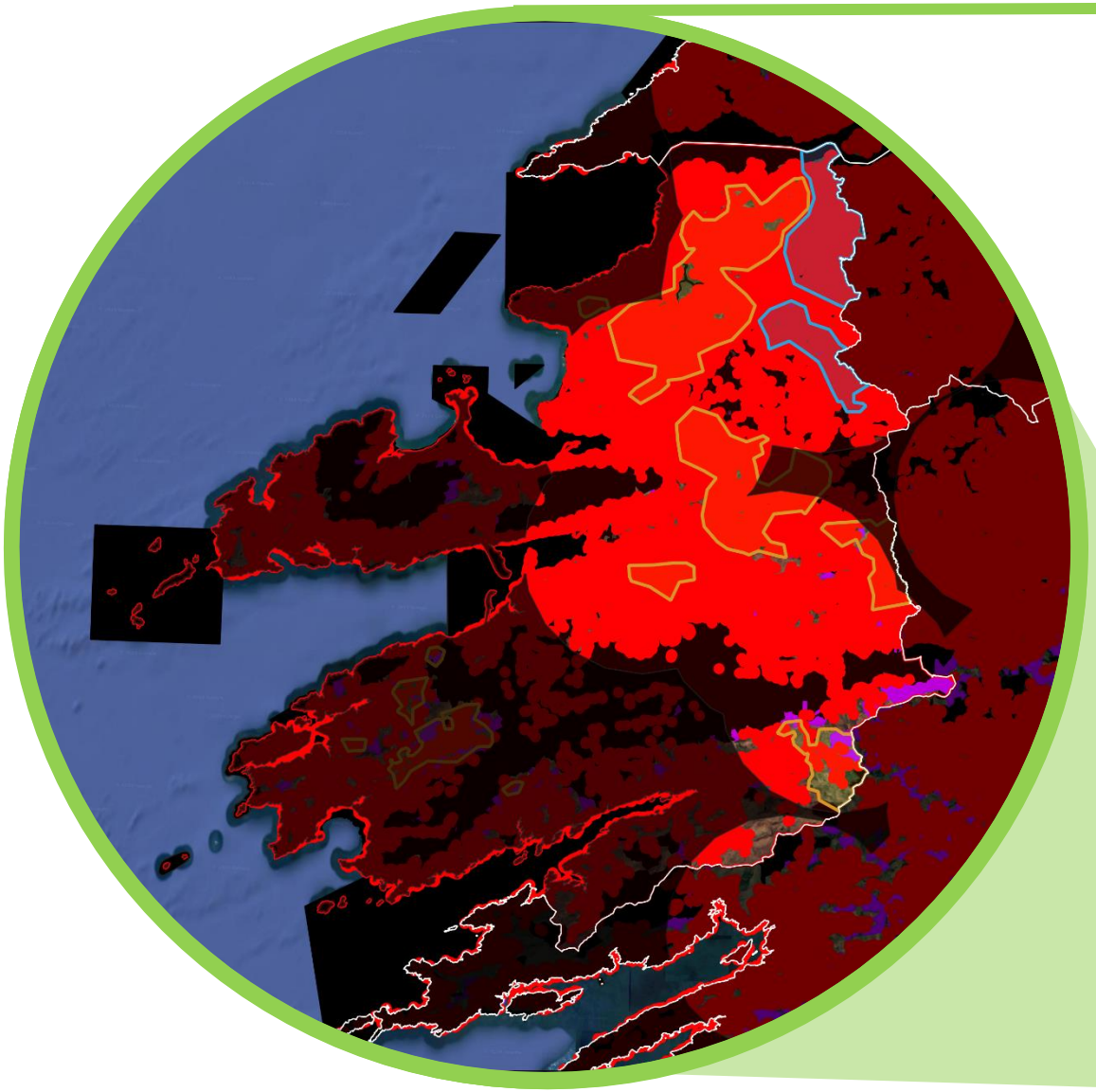
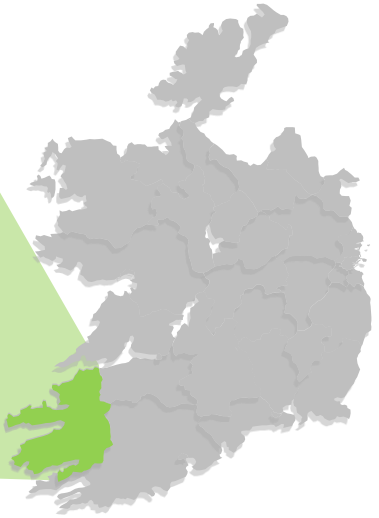


Legend

- Kerry Strategic
- Kerry OTC
- Kerry Unsuitable
- Environmental Designations
- Coillte Land
- 700m Buffers on Residential and Commercial Buildings

Screening analysis performed on the entire Republic of Ireland. Example of County Kerry shown.



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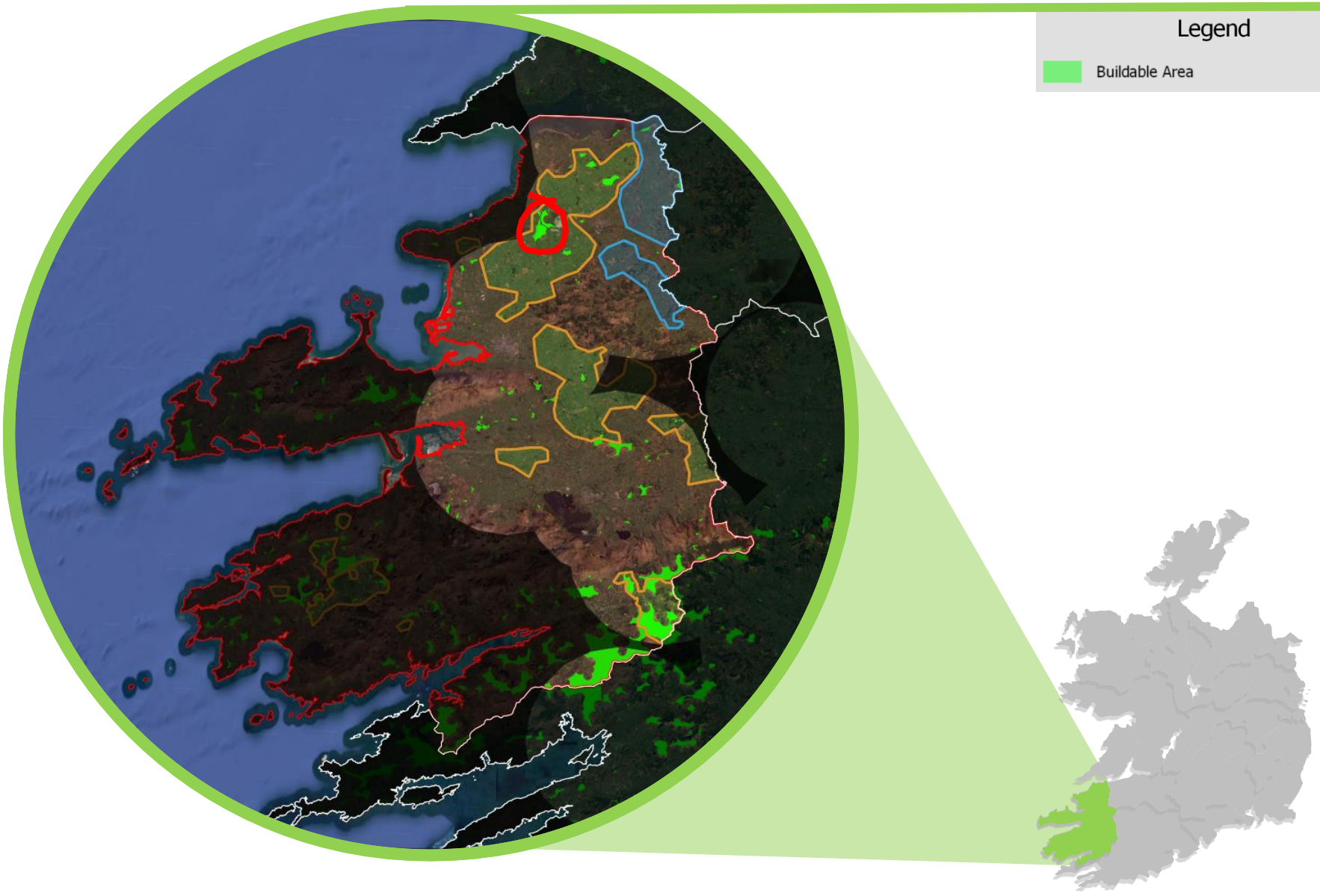

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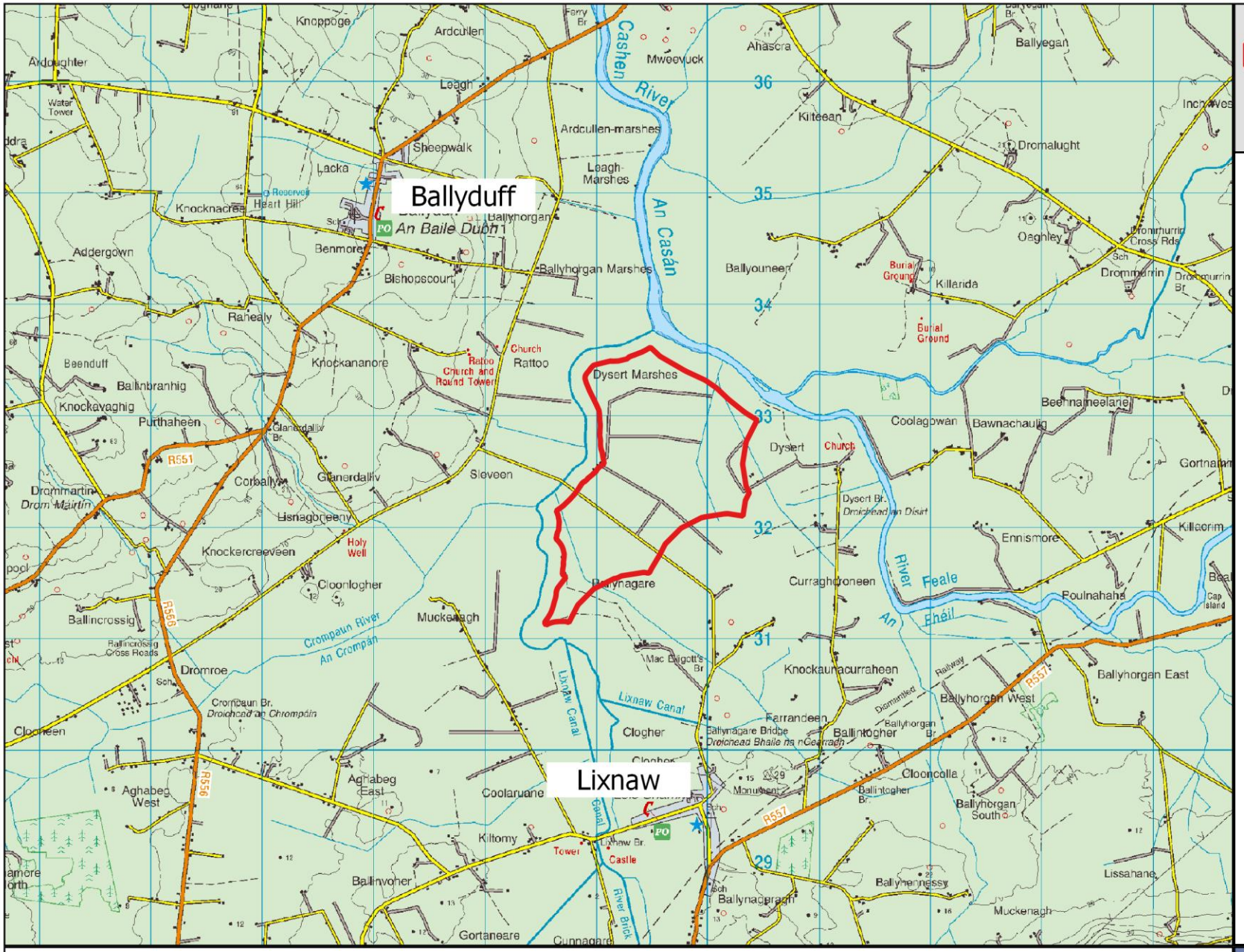

Legend

Ballynagare Buildable Area

Proposed Ballynagare Wind Farm

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Ballynagare, Dysert, Dysert Marshes and Curraghcroneen in Co. Kerry

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Up to 10 Turbines

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Estimated 56 MW

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Tip height of 165m to 170m

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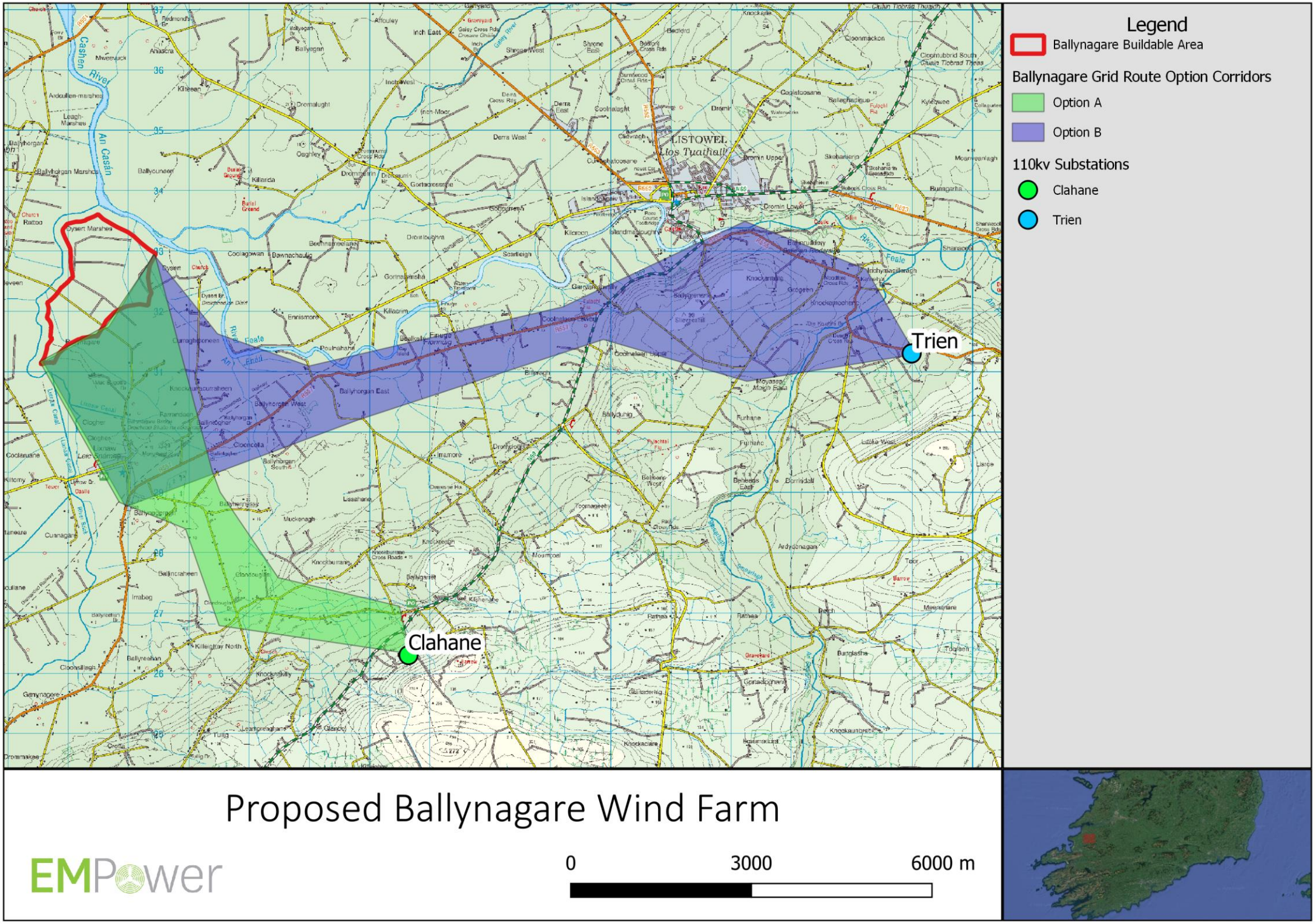
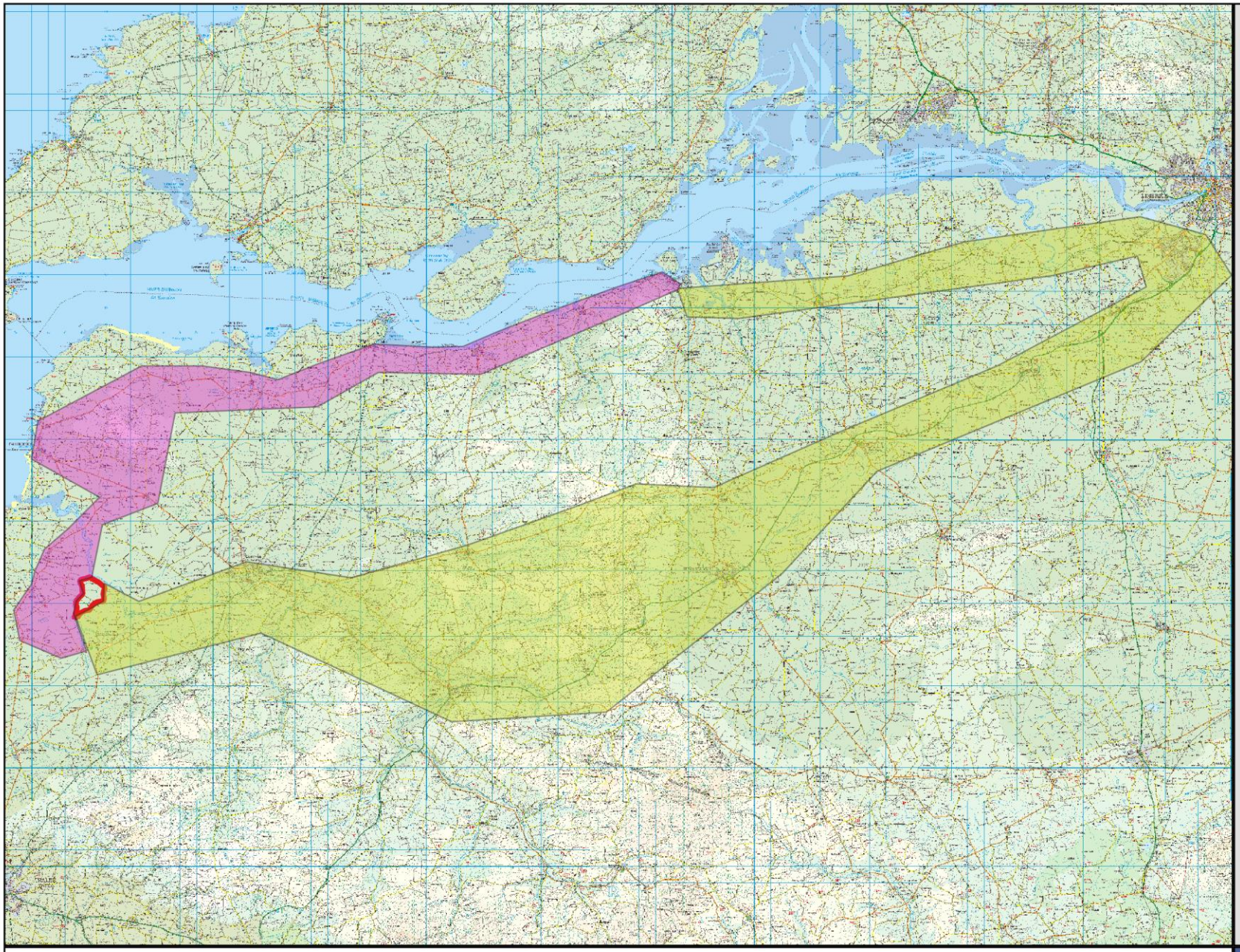
Enough clean electricity to power over 33,000 Irish homes

Proposed Ballynagare Wind Farm

EMPower


Legend
Ballynagare Buildable Area
Ballynagare Grid Route Option Corridors
Option A
Option B
110kv Substations
Clahane
Trien
Trien
Clahane
LISTOWEL
Lios Tuathail
Cashen River
An Casán
River Feale
Proposed Ballynagare Wind Farm
EMPower
0
3000
6000 m



Legend

Ballynagare Buildable Area

Ballynagare Haulage Route Option Corridors

Corridor Option A

Corridor Option B

Proposed Ballynagare Wind Farm

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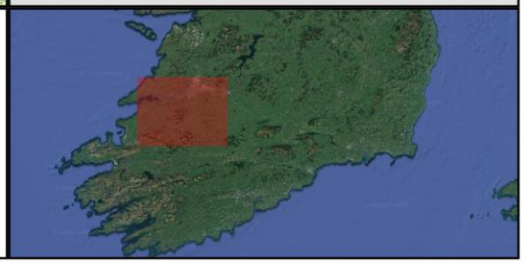
0 10000 20000 m



Community Benefits

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Renewable Electricity Support Scheme (RESS)
High Level Design

95
Direct jobs in construction phase

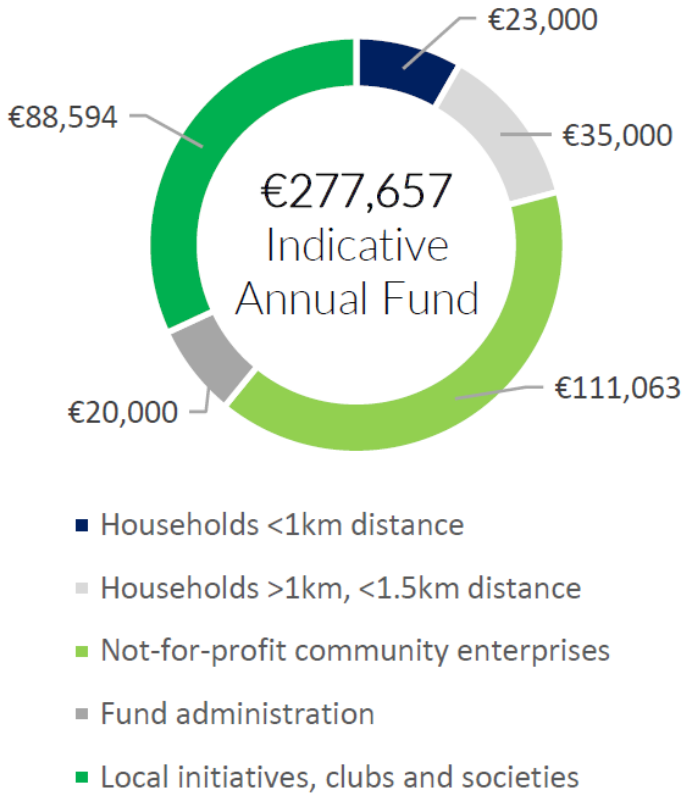
22
Highly skilled jobs over project lifetime

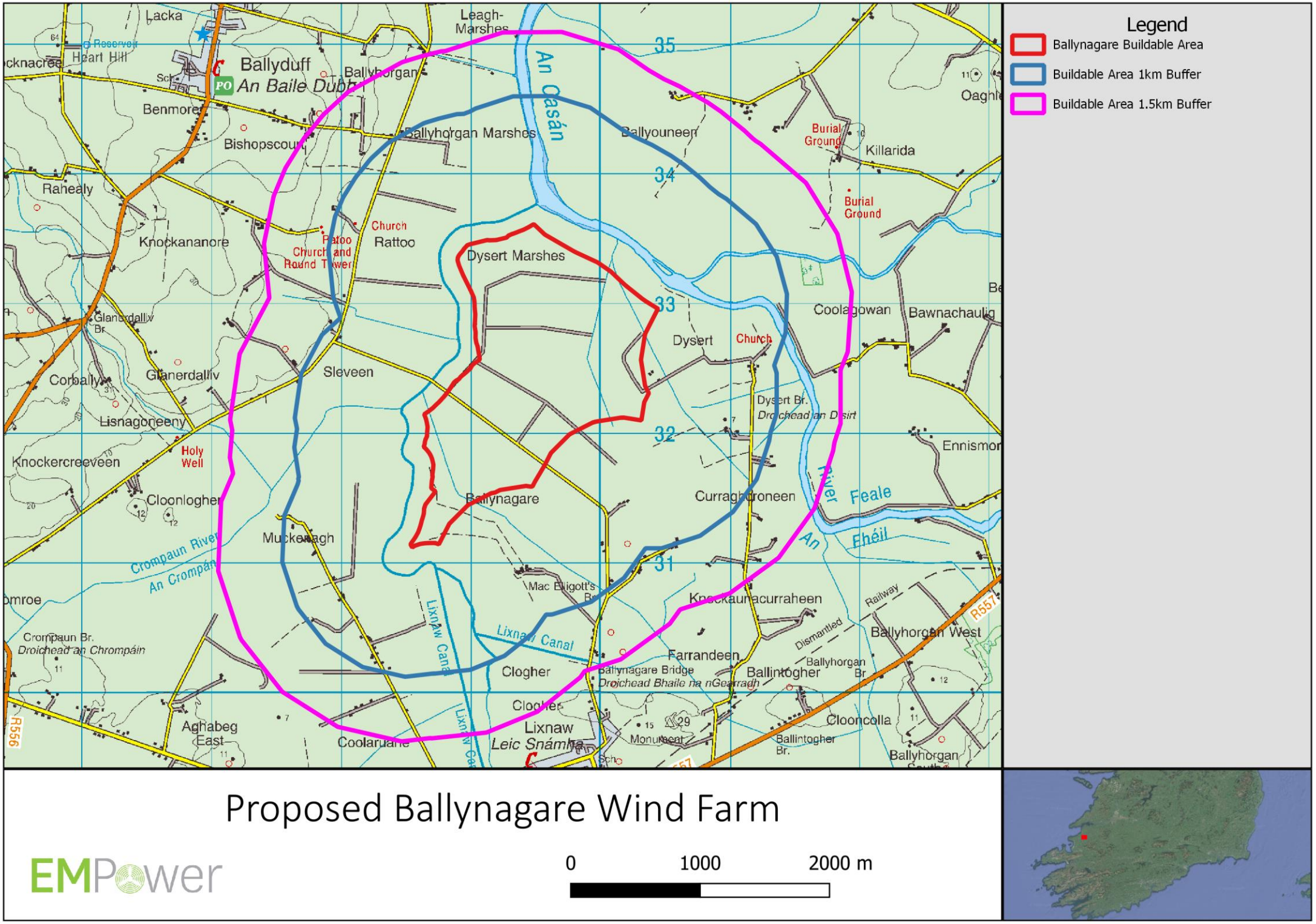
€ 61.8 million
Investment in Irish infrastructure

€ 4.2 million
Total Indicative Community Fund Contribution

€ 10.1 million
County Council Rates Contribution

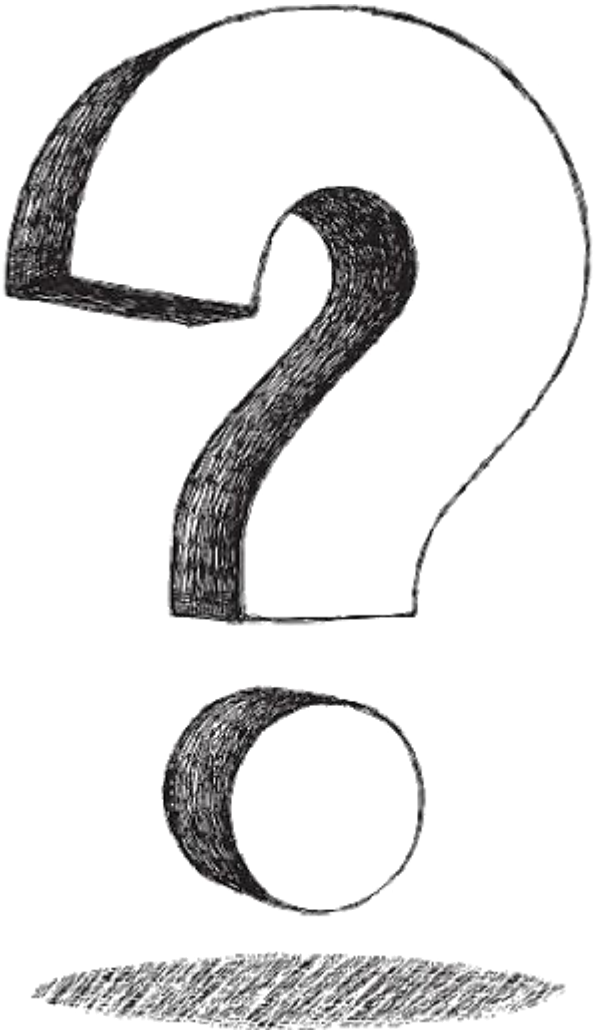
Ballynagare Indicative Community Fund Allocation




Legend
Ballynagare Buildable Area
Buildable Area 1km Buffer
Buildable Area 1.5km Buffer
Proposed Ballynagare Wind Farm
EMPower
0
1000
2000 m
Ballyduff
An Baile Dubh
Ballyhorgan
Ballyhorgan Marshes
Leagh-Marshes
An Casán
Ballyouneen
Killarida
Burial Ground
Benmore
Bishopscourt
Raheally
Knockananore
Rattoo Church and Round Tower
Rattoo
Church
Dysert Marshes
Coolagowan
Bawnachaulig
Dysert
Church
Glanerdalliv
Corbally
Sleveen
Lisnagoneeny
Knockercreeveen
Holy Well
Cloonlogher
Ballynagare
Curraghroneen
Dysert Br.
Droichead an Disirt
River Feale
An Fhéil
Ennismore
Muckenagh
Crompaun River
An Crompán
Mac Elligott's Br.
Knockaunacurraheen
Railway
Dismantled
Ballyhorgan West
Lixnaw Canal
Farrandeen
Clogher
Ballynagare Bridge
Droichead Bhaile na nGearradh
Ballintogher
Ballyhorgan Br.
Crompaun Br.
Droichead an Chrompáin
Aghabeg East
Coolaruane
Lixnaw
Leic Snámha
Monument
Clooncolla
Ballintogher Br.
Ballyhorgan South
R556
R557
35
34
33
32
31

Question Time

EMPower



Hydrology

Ornithology

Population & Human Health

Biodiversity

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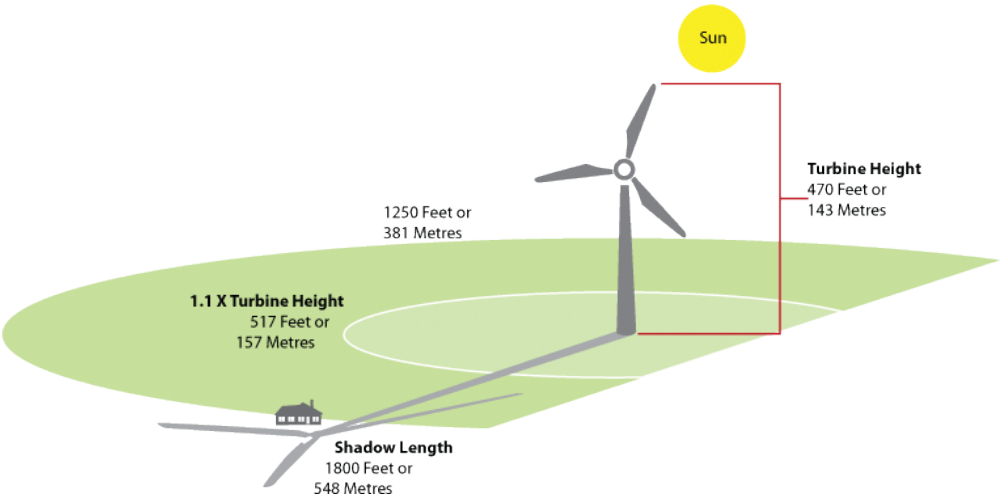
Shadow Flicker



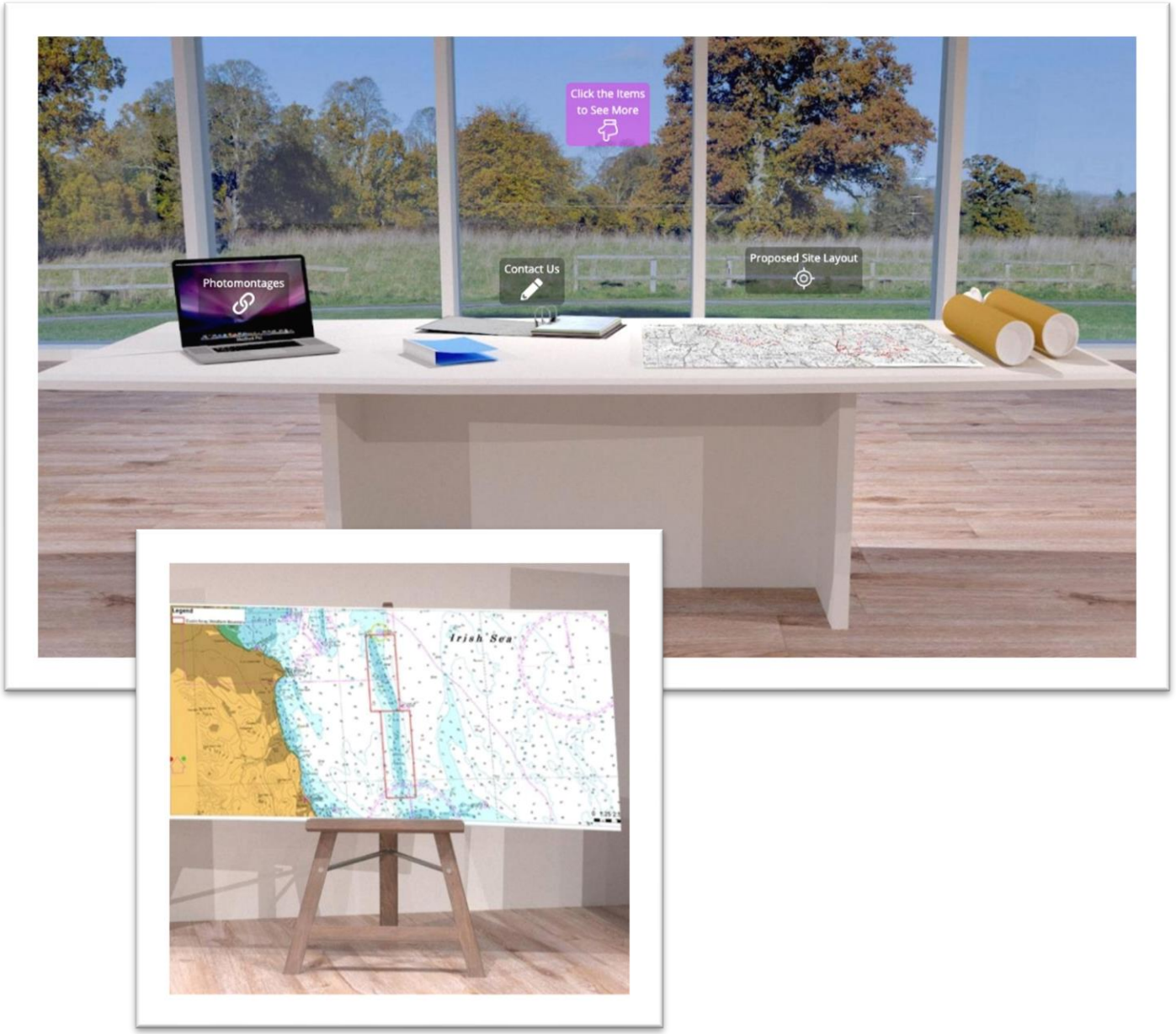
Sound

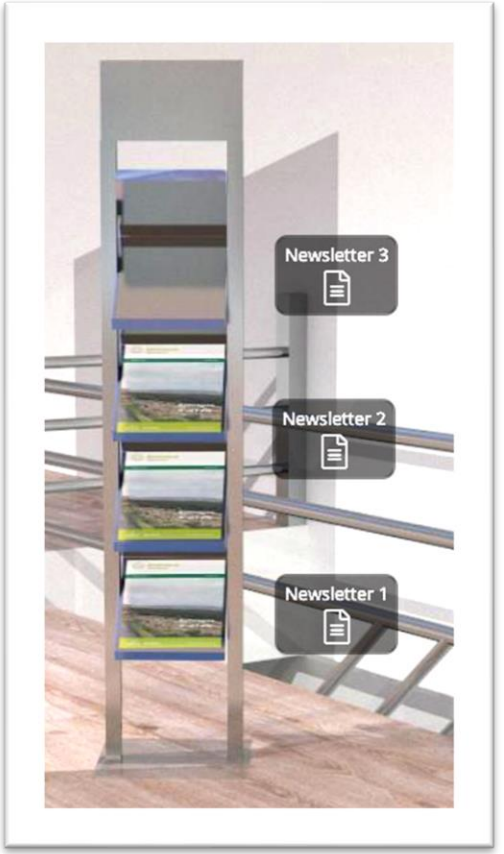
Construction and Civil Engineering

Archaeology

Landscape and Visuals

Virtual Consultation Room





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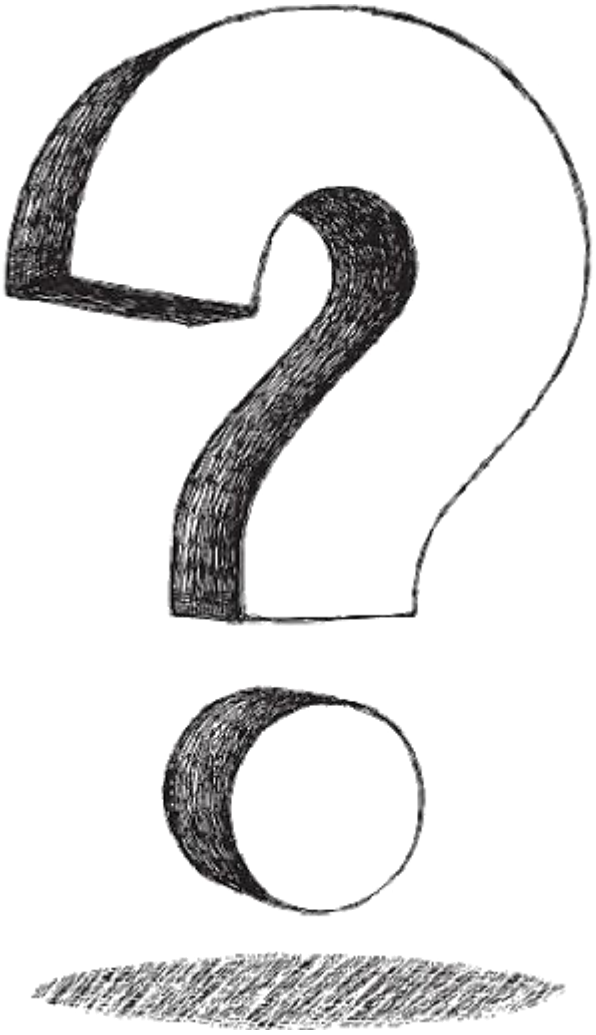

Conclusion

- Proposed Ballynagare Wind Farm
  - Up to 10 turbines
  - Estimated 56 MW
  - 33,000 Irish homes powered
- Community Fund
  - Average €277,657 per year
  - €1,000 per year (households <1km)
  - €500 per year (households >1km <1.5km)
  - Fund focused on Ballyduff and Lixnaw Villages
- Next Steps
  - Virtual consultation room
  - Submission for planning in Summer 2021

Get in Touch
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E : info@emp.group
T : 01 588 0178