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Community Report

Tullaghmore Wind Farm

Co. Galway

2022

Contents

INTRODUCTION	4
EMPower	4
The Applicant:	4
The Proposed Project:	4
The Main Project Study Area:	4
The Project Study Areas:	4
The Proposed Project’s Immediate Consultation Zone:	4
The Planning Consultant:	5
Community Liaison Officer	5
The Tullaghmore projects consultation approach	5
TULLAGHMORE WIND FARM PROJECT’S CONSULTATION SUMMARY	7
Stage 1 Community Consultation – Proposed Tullaghmore Wind Farm	7
Stage 2 Community Consultation – Proposed Tullaghmore Wind Farm	8
Stage 3 Community Consultation – Proposed Tullaghmore Wind Farm	9
Stage 4 Community Consultation – Proposed Tullaghmore Wind Farm	9
Stage 5 Community Consultation – Proposed Tullaghmore Wind Farm	10
Stage 6 Community Consultation – Proposed Tullaghmore Wind Farm	11
Stage 7 Community Consultation – Proposed Tullaghmore Wind Farm	13
Appendix	15
Appendix 1a – 21/05/2021 Project Information Newsletter	16
Appendix 1b – 21/05/2021 Community Letter	18
Appendix 1c – 28/05/2021 Webinar, Connacht Tribune Advertisement	19
Appendix 1d – 21/05/2021 Irish Language Newsletter & Community Letter	20
Appendix 1e – 03-06-2021 Design Webinar	23
Appendix 2a – 14/07/2021 and 22/09/2021 Project Information Letters	27
Appendix 3a – 20/09/2021 Project Information Letter	29
Appendix 4a – 16/10/2021 Community Information Letter, Turbine Delivery Route	31
Appendix 4b - 26/11/2021 Community Information Letter, Turbine Delivery Route.	32
Appendix 4c - 26/11/2021 Community Information Letter, Grid Route	33
Appendix 5a – 06/12/2021 Project Information Newsletter	34
Appendix 5b – 06/12/2021 Community Letter	36
Appendix 5c - 10/12/2021 Webinar Connacht Tribune Advertisement	37
Appendix 5d – 06/12/2021 Irish Language Newsletter and Community Letter	38
Appendix 5e – 16-12-2021 Design Webinar	41
Appendix 6a – 14/03/2022 Project Information Newsletter	45

RECEIVED: 26/01/2023

Appendix 6b – 14/03/2022 Community Information Letter	48
Appendix 6c – Online Virtual Community Exhibition.....	49
Appendix 6d – 31/03/2022 Proposed Tullaghmore Wind Farm Project Information Evening	52
Appendix 6e – Project Information Evening Connacht Tribune Advertisement	54
Appendix 6f – March 2022 List of Clubs and Societies Contacted Via Project Information Letter ..	55
Appendix 6g – 14/03/2022 Irish Language Newsletter and Community Letter	57
Appendix 7a - 20/06/2022 Project Information Newsletter.....	61
Appendix 7b – 20/06/2022 Community Information Letter	63
Appendix 7c – 12/07/2022 Design Webinar	64
Appendix 7d – 01-07-2022 Design Webinar Connacht Tribune Advertisement	67

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INTRODUCTION

EMPower (The Developer) is seeking planning permission to construct and operate a commercially viable wind farm project on lands at Derrybeg, Tawnaghbeg, and Tullaghmore, in Co. Galway, hereafter referred to as the project.

EMPower:

EMPower is an Irish renewable energy developer with over 800 Mega Watts in development in Europe and Africa. Our senior management team comprises five Irish professionals with a combined 95 years' experience delivering projects from conception to operation across five continents. EMPower's headquarters is in Dublin.

EMPower is owned by GGE Ireland Limited, Wind Power Invest A/S and EMP Holdings Limited. EMPower commenced project development in Ireland in 2018 following the government's announcement of the Renewable Energy Support Scheme (RESS) and Ireland's revised electricity target of 70% renewables (updated to 80% in 2022) by 2030.

Our vision is to provide low carbon, ecologically non-invasive, affordable energy to facilitate Ireland's expanding economy and sustainable energy targets.

All details in this Tullaghmore Community Engagement Report are intended to inform on the process of community engagement employed on the Tullaghmore Wind Farm project. Please refer to the main volumes of the Tullaghmore Project Environmental Impact Assessment Report (EIAR) for more detailed project information. At all times, the Tullaghmore Project EIAR is to be referred to as the overriding document for planning or project information purposes.

The Applicant:

Tullaghmore Wind Farm limited is the applicant for the proposed Tullaghmore Wind Farm project.

The Proposed Project:

A full description of the proposed project for the purposes of the planning application and the additional elements that form part of the overall development, assessed as part of the projects EIA, are contained in Chapter 2 of the EIAR.

The Project refers to the development works within the Planning Redline Boundary but also includes lands along the proposed Turbine Delivery Route and Grid Connection Route corridor options as well as associated haulage of any other construction materials which derive from outside the Planning Redline Boundary.

The Main Project Study Area:

Refers to the area depicted within the red outline in figure 1 denoted Study Area.

The Project Study Areas:

Refers to different designated areas within or over which the Tullaghmore Wind Farm project surveys are undertaken such as the grid route and turbine delivery route. These are specifically defined within each technical chapter of the Environmental Impact Assessment Report.

The Proposed Project's Immediate Consultation Zone:

Refers to a 2-kilometer radius from the Main Project Study Area. The Eircode's and residence within this area are deemed the proposed projects closest neighbors. See figure 1 for illustration. The

immediate consultation zone was expanded at various points during the project’s consultation campaign as detailed in this report.



Proposed Tullaghmore Wind Farm Project
Immediate Community Consultation Zone



Figure 1

The Planning Consultant:

Jennings O’Donovan are the planning consultant compiling the Tullaghmore projects planning application on behalf of EMPower. Based in Co. Sligo, Jennings O’Donovan are one of the longest established and most reputable multi-disciplinary engineering consultancies in Ireland. JOD have been an established presence in the Renewable Energy Wind Farm Sector since 1998. To date, the company has a portfolio of project involvement extending to over 2,040 MW of power in Ireland and Northern Ireland and is a recognised market leader in the area of Wind Energy development.

Community Liaison Officer

Michael O’Connor is the appointed Community Liaison Officer for the proposed Tullaghmore Wind Farm project. Michael holds a B Eng. in Civil and Structural Engineering and a HDip in Business Management. Michael has been working with EMPower since February 2021 as the project manager and community contact for the proposed Tullaghmore project. Michael has over 10 years’ experience in onshore windfarm development, construction and operations and has led the community consultation process previously on similar renewable projects. Contact information for Michael and the proposed Tullaghmore project have been made available to any interested stakeholders from the beginning of the project’s public consultation process.

The Tullaghmore projects consultation approach

In the past, wind farm developers may have initiated a projects community consultation process shortly before submission of a planning application, when the key design decisions have already been

made. EMPower seek to involve local communities much earlier in the Environmental Impact Assessment and project design process, to facilitate constructive dialogue at a time when it can have a meaningful impact on the final project design.

EMPower has consulted with the local community from the beginning of the detailed design and environmental assessment phases of the proposed Tullaghmore project to ensure that the views and concerns of members of the local community and interested stakeholders were considered as part of the project's design and the Environmental Impact Assessment process. EMPower believe that working as closely as possible with all stakeholders interested in our project proposals, especially the local communities in which we propose our projects, makes good sense for us as a commercial company, for our project neighbours, and for the ongoing global climate change objectives facing us all.

EMPower believes that community engagement should be undertaken in an appropriate and respectful manner with the communities in the environs of any proposed development, at all stages of the project lifecycle from Development, Construction through to Operations.

As a wind energy development company, interested stakeholders and communities will engage in conversations about our projects whether we are involved in those conversation or not.

By not being involved in our project conversation, we:

- loose the opportunity for improvement obtained from other people's views.
- loose the opportunity that open conversations can foster to deliver projects that benefit both local communities and the developer.
- loose the ability to correct misunderstandings about project details.

As with all EMPower projects the Tullaghmore project's community consultation approach initially focusses on the near neighbors and dwellings within the proposed project's immediate consultation zone of 2 kilometers. This consultation area represents the closest communities, proximity wise to the proposed project's Main Study Area and will therefore be more susceptible to any potential effects caused by the proposed project.

We continue the focus on the proposed project's immediate consultation zone throughout the project's messaging and communications by ensuring project messaging is communicated to this area first.

Our community consultation approach also recognises the need to ensure interested stakeholders further away from the proposed project are also informed as the design iterations are worked through and the details of the proposed project evolve. This is achieved by project website updates and live interactive public webinars. Our project webinars are advertised beforehand in local newspapers, via project newsletters and on the project website. We also hold public information evenings, when public health guidelines permit, which again are advertised in local newspapers, the project's website, and newsletters.

Our engagement process is designed to not just be an information giving exercise and that both community members local to our proposed project location, and interested stakeholders further away, are given the opportunity to be part of the projects design conversation and can input on project design details as they evolve towards a final design proposal.

In relation to national guidance on community engagement and consultation for wind energy developments, the *Wind Energy Development Guidelines* (Department of Environment, Heritage, and Local Government, 2006) state that:

“While it is not a mandatory requirement, it is strongly recommended that developers of a wind energy project should engage in active consultation and dialogue with the local community at an early stage in the planning process, ideally prior to submitting a planning application.”

This was further addressed in the *Preferred Draft Approach to Wind Energy Development in Ireland* (June 2017) which stated the following with respect to planning applications for wind farms:

“Planning applications must contain a Community Report prepared by the applicant which will specify how the final proposal reflects community consultation. The Community Report must also outline steps taken to ensure that the proposed development will be of enduring economic benefit to the communities concerned.”

The Draft Revised Wind Energy Guidelines (Department of Housing, Planning and Local Government, 2019) state that “meaningful community consultation also helps developers:

- to refine the design approach to a project reflecting a broadly based community perspective
- to explain the potential benefits of a project more clearly to communities
- to establish relationships with the community, as well as empowering communities to interact with and benefit more fully from projects.”

In line with national policy, EMPower are committed to meaningful, transparent consultation, which facilitates more informed and active engagement with our proposed projects. This Community Report details EMPower’s engagement and liaison with the community local to the Tullaghmore area of Co. Galway and to the proposed Tullaghmore project’s Study Area.

TULLAGHMORE WIND FARM PROJECT’S CONSULTATION SUMMARY

Stage 1 Community Consultation – Proposed Tullaghmore Wind Farm

- Dedicated Project Website Goes Live
- First Project Information Newsletter distributed to Immediate consultation zone (29 Eircode)
- First Project Community Letter distributed to Immediate consultation zone (29 Eircode)
- First Project Design Online Webinar – All interested Stakeholders

EMPower started community consultation for the proposed Tullaghmore Wind Farm project in May of 2021. The objective for Stage 1 of the proposed Tullaghmore Wind Farm consultation was to introduce EMPower as a company and the initial design proposal for the proposed project. It also aimed to generate awareness of the proposed project and begin a conversation with the communities closest to the proposed project’s location at a time when the detailed project design work and study was commencing.

The first project's information Newsletter (appendix 1a) was distributed in May 2021 to the 29 eircodes within the proposed project's immediate consultation zone, *see figure 1*.

A community letter was also included with this first project newsletter (appendix 1b). The community letter invited interested stakeholders to join an interactive project design webinar on the 03-06-2021 at 7pm where project particulars could be discussed and conversed on in an interactive forum. The time and date for this webinar was also advertised on the project's website and in the 28/05/2021 edition of the Connacht Tribune (Appendix 1c) in order to generate awareness of the project outside of the project's immediate consultation zone.

The first project newsletter and community letter were also produced in the Irish language, (Appendix 1d).

A project specific website was also published at this time. The project specific website hosted project information, EMPower company information and project contact details. Once the Newsletter and community letter was delivered to the project's immediate consultation zone all community material was posted on the project website for the wider public to view.

The first Tullaghmore Wind Farm Project Public Webinar (Appendix 1e) was facilitated on the 03-06-2021. The webinar lasted approximately 1.5 hours. There was significant interest and discussion in the project with the questions and answers session running over the webinars allocated 1 hour. After the event a link to the webinar recording, as well as all the questions and answers discussed during the webinar, was posted to the project website www.tullaghmorewindfarm.ie.

On this first Tullaghmore project webinar design team members described EMPower as a company and also the process EMPower employed to select the Tullaghmore Study Area as a potential renewable wind energy project. The webinar also described the process being initiated for the Environmental Impact Assessment analysis and detailed study work beginning for the proposed project. Aspects of the Community Benefit Fund and near neighbor scheme that the project could potentially facilitate were also talked though and discussed along with project predicted timelines, general project location and project contact details.

Conversation points prior, during and in the weeks after the first project webinar included the below:

- Who are EMPower.
- Why are EMPower scoping in this area for a wind energy project.
- What impacts to local flora and fauna are possible.
- What impacts are possible for peat habitats and waterbodies.
- What potential noise effect from the proposed project would there be.
- What impact are possible for nearby European designated sites.
- What scale and number of turbines are possible for this project.
- What will the visual effects of the potential project be.
- Community benefit fund.

Stage 2 Community Consultation – Proposed Tullaghmore Wind Farm

- Project Information Letters – Response to Website Queries

Following the first project webinar on the 03/06/2021 and in response to some project email correspondences received to the dedicated project contact details, project information letters (Appendix 2a) were posted to two individuals who expressed an interest in the Landscape and Visual aspects of the project as well as the Noise studies to be undertaken for the project.

A further eight project information letters (Appendix 2a) were posted to individuals to the area north of the main project area, on the north shore of Lough Corrib, from the 14/09/21 in order to involve that specific area in aspects of the ongoing design process. Even though most of this area is outside the project's immediate consultation zone of 2 kilometers it was deemed necessary in order to raise further awareness of the project in that area of the locality and respond to items discussed on the first webinar. This process added four additional Eircode's to the distribution list for all future project correspondence.

Stage 3 Community Consultation – Proposed Tullaghmore Wind Farm

➤ Project information Letter – Project Name Update

Prior to 11/08/2021 this project was called The Letterkeeghaun Wind Farm project. Following Stage 1 and 2 of the proposed projects Community Consultation and as the Study Area assessments and stakeholder engagements progressed, it became clear that the project name "Letterkeeghaun" did not adequately represent the townlands the Main Projects Study Area was situated in. Therefore, the developer choose to change the name of the project to The Tullaghmore Wind Farm. This was done to better describe the project area and to remove any potential ambiguity as to the location of the Main Project Area.

A project letter (Appendix 3a) was distributed to 33 Eircode's around the Main project Study Area in both English and Irish on the 20/09/2021. This project letter was also posted on the project website. This letter explained the project name change and also updated the public on the evolving project design process and studies underway.

Stage 4 Community Consultation – Proposed Tullaghmore Wind Farm

➤ Project Information Letter – Potential Turbine Delivery Route and Potential Grid Route

Project Letters (Appendix 4a) were posted to landowners along the proposed projects potential turbine delivery route from the 16/10/2021. This was done to further raise awareness of the potential project with individuals who would not be local to the Main Project Study Area but who may be impacted by potential works along what was becoming the most viable turbine delivery route for the proposed project. Analysis was carried out from the proposed projects entrance off the N59, to Maam cross and back to Ballynahown along the R336. This is an approximate distance of 30 kilometers by road. Areas were selected where the potential for off road works to aid turbine component deliveries may be possible in the future. Four individuals were identified in this process and project letters sent to each. A follow-on letter was also sent from the 26/11/2021 (Appendix 4b). The letters were sent to the address' associated with each identified land folio on landdirect.ie.

Project Letters (Appendix 4c) were also posted to landowners along one of the proposed projects

potential grid connection routes to Screebe substation from the 26/11/2011. Although it was likely that this overhead grid line alternative for the proposed project would not be considered as a favored route in the final design, the developer felt this provided a further opportunity to raise awareness of the potential project with individuals who may not be local to the Main Project Study Area. Three individual folios were identified, and the letters were sent to the address' associated with each identified land folio on landdirect.ie.

Stage 5 Community Consultation – Proposed Tullaghmore Wind Farm

- Second Project Information Newsletter distributed to immediate consultation zone (46 Eircode)
- Second Project Community Letter distributed to Immediate consultation zone (46 Eircode)
- Second Project Design Online Webinar – All interested Stakeholders

The proposed project's second newsletter (appendix 5a) was distributed to the twenty-nine Eircode's within the proposed project's immediate consultation zone as well as the four additional Eircode's added following Stage 2 of the community consultation process and thirteen additional Eircode's on the east of the Main Project Study Area. It was chosen to include the additional thirteen Eircode's to further raise awareness of the proposed project in the wider area. This increased the projects immediate consultation zone to forty-six Eircode's. This was carried out from the 06/12/2021.

This second project newsletter reiterated information on EMPower as a company, the aims of the project community consultation underway, project timelines and the potential of the associated Community Benefit Fund for the proposed project. Also, some of the main areas of interest raised by stakeholders following the community consultation carried out to date were included. Information discussed in the projects second newsletter included:

- why this area was chosen for further wind energy development study.
- why onshore wind is relevant.
- the project design process.
- and project details on the overall project as studies progress.
- Community Benefit.

A community letter was also included with this second project newsletter (Appendix 5b). The community letter invited interested stakeholders to join an interactive project webinar on the 16-12-2021 at 7pm where project particulars could be discussed and conversed on in an interactive forum. This webinar was also advertised in the 10/12/2021 edition of the Connaught and City Tribune (Appendix 5c) in order to generate further awareness of the project outside of the project's immediate consultation zone. This second project newsletter and community letter was also produced in the Irish language (Appendix 5d) and once delivery of communication material was complete to the immediate consultation zone all community material was posted on the project website.

The second Tullaghmore Wind Farm Project Webinar (Appendix 5e) was facilitated at 7pm on the 16-12-2021. The webinar lasted approximately 1.5 hours. There was significant interest in the proposed project with the questions and answers session running over the webinars allocated 1 hour. After the event, a link to the webinar recording was posted to the project website www.tullaghmorewindfarm.ie.

On this second Tullaghmore project webinar design team members described EMPower as a company and the important role renewable energy can play in Ireland's energy system. The process EMPower employed to select the Tullaghmore Study Area as a potential renewable wind energy project was again touched on. The purpose of this webinar was to discuss the current project proposal as it reached Design Iteration One. Project particulars such as the Main Study Area, turbine delivery routes and grid connection routes were focused on as well as the overall Environmental Impact Assessment process. Aspects of the potential Community Benefit Fund and near neighbor scheme the project could facilitate were also talked through and discussed along with project predicted timelines, project next steps and project contact details.

Conversation points prior, during and in the weeks after the second project webinar included the below:

- What will the visual effects of the potential project be.
- Community benefit fund.
- Potential Turbine Delivery Route.
- How will the project be accessed from the N59.
- Potential damage to roads in the area.
- Are there plans for further development in the area by EMPower.
- Potential Grid connection options.
- Potential effects on watercourses and fish in the locality.
- What impacts to local flora and fauna are possible.
- What impacts are possible for peat habitats and waterbodies.
- What impact are possible for nearby European designated sites.
- Planning Application process.

The discussion points and conversations raised during this stage 5 community consultation event were used to inform future project messaging and the overall community consultation process and the webinar recording was uploaded to the project's website for any interested stakeholders to view.

Stage 6 Community Consultation – Proposed Tullaghmore Wind Farm

- Third Project Information Newsletter distributed to Immediate consultation zone (71 Eircodes)
- Third Project Community Letter distributed to Immediate consultation zone (71 Eircodes)
- In Person Project Information Event – All interested Stakeholders
- Projects Online Virtual Exhibition Room Enacted
- Project email Correspondence
- Project communication letter sent to clubs and societies

The proposed project's third newsletter (Appendix 6a) was distributed to 71 Eircode's surrounding the Study Area from the 14/03/2022. This increased the projects immediate consultation zone from the forty-six Eircode's consulted during Stage 5 of the community consultation process. The number of Eircode's receiving project consultation material was increased to further raise awareness of the project in the wider area. A community letter was also included with this second project newsletter (Appendix 6b) This third project newsletter reiterated information on EMPower as a company and the project particulars, the aims of the community consultation underway, updated project timelines and the potential of the associated Community Benefit Fund for the proposed project. The newsletter detailed aspects of the project at this the Design Iteration Two stage. The newsletter also went into detail on topical Environmental Impact Assessment project studies such as Noise and Vibration, Biodiversity, Hydrology and Hydrogeology, Population and Human Health and the Landscape and Visual assessment underway including four representations of how the project would look if constructed.

This newsletter also communicated that the projects online virtual exhibition room (Appendix 6c) was now live and that it can be accessed from the home page of the project website www.tullaghmorewindfarm.ie. This project engagement feature allowed for interested stakeholders to access and view detailed project information presented by members of the project design team. The online exhibition contains interactive information videos and layout maps on topics such as:

- The project team and project contact details.
- The project location and general project overview.
- Wind energy and community benefits.
- Proposed project delivery and Grid route.
- Landscape and visual mapping.
- Design iteration 1, 2 and 3.
- Landscape and Visuals.
- Interactive 360° Google Map styled viewer showing how the project will look if build out from 29 separate viewpoints surrounding the projects Study Area.
- Environmental Impact Assessment information relative to the proposed Tullaghmore Wind Farm project.
- Frequently asked questions on the proposed Tullaghmore project.
- Transport and delivery routes and maps with added functionality.

The third project newsletter also highlighted a project information evening scheduled for the Peacockes Hotel at Maam Cross on the 31/03/2022 (Appendix 6d) where interested stakeholders could drop in anytime between 4.00pm and 7.30pm to discuss the proposed Tullaghmore Wind Farm project with members of the project design team and view the most up to date project information in person. This project information evening was also advertised in the 25/03/2022 edition of the Connacht Tribune (Appendix 6e) in order to generate further awareness of the project outside of the project's immediate consultation zone

An email was also sent to all persons who had previously contacted the project via the dedicated project email address tullaghmore@emp.group to inform them of the upcoming project information evening.

“As you have contacted our project website previously, I just wanted to let you know that the project team are facilitating a Tullaghmore project information event in the Peacocks Hotel at Maam Cross on the 31/03/2022. If it suits, you can drop in anytime between 4.00pm and 7.30pm to discuss the proposed Tullaghmore wind farm project with members of the design team and view the most up to date project information”.

The project information evening was attended by approximately 24 people who arrived at various stages throughout the evening. 7 members of the Empower and Jennings O Donovan design team were available to discuss the projects design process and any queries or conversation points relevant to the overall project proposal.

The main topics discussed during the evening were the.

- landscape and visual elements of the project.
- Irish planning process and a renewable projects path to a consent.
- Environmental Impact Assessment Process
- Community Benefit associated with the project.
- Renewable energy in Ireland and internationally.
- Traffic and component transport associated with the project
- The grid connect point for the project
- Property prices

A communication letter was sent to ten different clubs and societies within an eight-kilometre radius of the proposed project’s main Study Area on the 25/03/2022. The list of the clubs and societies contacted, and a copy of the communication letter can be viewed in Appendix 6f of this report. The aim of this communication letter was to further raise awareness of the proposed Tullaghmore Wind Farm project in the wider area. It also provided project location and project contact details as well as information on how to access all the community engagement material provided to date. This letter also highlighted the potential community benefit fund a project such as the proposed Tullaghmore Wind Farm could deliver.

This third project newsletter and associated community letter was also produced in the Irish language (Appendix 6g) and once delivery of communication material was complete to the immediate consultation zone, all community material was posted on the project website for wider consumption.

Stage 7 Community Consultation – Proposed Tullaghmore Wind Farm

- Fourth Project Information Newsletter distributed to immediate consultation zone (71 Eircode)
- Fourth Project Community Letter distributed to Immediate consultation zone (71 Eircode)
- Fourth Project Design Online Webinar – All interested Stakeholders

The proposed project’s fourth newsletter (Appendix 7a) was distributed to 71 Eircode’s surrounding the project’s Study Area from the 20/06/2022. A project information letter was also included with this second project newsletter (Appendix 7b). The fourth Tullaghmore project newsletter and associated community letter also invited interested stakeholders to join the third interactive project design webinar (Appendix 7c) on the 12/07/2022 at 7pm where project particulars could be discussed and

conversed on in an interactive forum. This webinar was also advertised in the 01/07/2022 edition of the Connacht Tribune (Appendix 7d) in order to generate further awareness of the project outside of the project's immediate consultation zone.

The fourth Tullaghmore Wind Farm project newsletter detailed the proposed Tullaghmore project information at this the Design Iteration three stage. All elements of the project proposal were listed and the reason why the Tullaghmore area is suitable for wind energy was again discussed. Four photomontages illustrating what the project will look like if constructed were also discussed along with the overall landscape and visual assessment process. The planning process for the proposed Tullaghmore Wind Farm along with how members of the public can make observations and comments on the final submitted project proposal was also discussed.

The Tullaghmore project timelines and the potential of the associated Community Benefit Fund for the proposed project at this final design stage were also listed along with highlighting project contact details and the Tullaghmore Project's Community Consultation Online Exhibition access details.

The purpose of the third design webinar was to discuss the current project proposal as it reached the final design. Project particulars such as the Main Study Area and project elements, turbine delivery and grid connection routes were discussed as well as the overall Environmental Impact Assessment process. Aspects of the potential Community Benefit Fund and near neighbor scheme the project could facilitate were also talked though and discussed along with project predicted timelines, project next steps, the upcoming planning application process for the project and project contact details.

Conversation points prior, during and in the weeks after the second project webinar included the below:

- Landscape and Visual project elements.
- Community benefit fund.
- Proposed Turbine Delivery Route.
- Traffic Management.
- Future plans for EMPower.
- Proposed Grid connection route.
- Hydrology and Hydrogeology findings.
- Habitat assessments.
- Nest Steps and Planning Application process.

The discussion points and conversations raised during this stage 7 community consultation were used to inform future project messaging and the overall community consultation process and the webinar recording was uploaded to the project's website for any interested stakeholders to view.

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Appendix

Appendix 1a – 21/05/2021 Project Information Newsletter

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Letterkeeghaun Wind Farm Project Newsletter – May 2021 EMPower

Who Are EMPower

EMPower is an Irish renewable energy developer with over 700 MW in development in Europe and Africa. Our senior management team comprises five Irish professionals with a combined 95 years' experience delivering projects from conception to operation across five continents. EMPower's headquarters is in Dublin.

EMPower is owned by GGE Ireland Limited, Wind Power Invest A/S and EMP Holdings Limited. We commenced project development in Ireland in 2018 following the government's announcement of the Renewable Energy Support Scheme (RESS) and Ireland's revised electricity target of 70% renewables by 2030.

Our vision is to provide low carbon, ecologically non-invasive, affordable energy to facilitate Ireland's expanding economy and sustainable energy targets. We are currently preparing planning documents to submit a planning application to Galway County Council in late Autumn 2021. As well as all current best practice Irish wind energy development guidelines in place, EMPower follows Equator Principles and IFC Performance Standards throughout all stages of development in order to ensure the protection of the local ecology and communities where our projects are proposed.

Our project website (www.letterkeeghaunwindfarm.ie) will be updated regularly with project information as it becomes available, and the final Environmental Impact Assessment will be published for comments prior to submission. Please submit comments through the website or email us directly at letterkeeghaun@emp-group.com.

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



Proposed Letterkeeghaun Wind Farm Study Area



- 6 Turbines
- Max Tip Height 185m
- 36 MW
- Clean power for over 21,000 Irish Homes
- No Overhead Transmission Lines

The proposed Letterkeeghaun Wind Farm project consists of a 207-acre Study Area owned by local landowners. The Study Area is located approximately 9km West of Oughterard and 6km East of Maam Cross. The final footprint of this proposed project will be approximately 22 acres. EMPower is currently proposing a 6 turbines project, with a maximum blade tip height of 185m, subject to further studies, an environmental impact assessment and planning permission.

Proposed Project Schedule

Letterkeeghaun Schedule	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030		
Developer Commission	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Wind Measurement												
Consulting Services												
Planning Submission												
Grid Connection												
Detailed Project Design												
Project Construction												
Wind Farm Operational												

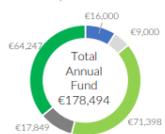
Community Benefit

If consented the proposed Letterkeeghaun Wind Farm will require a €39.6 million investment and will provide sustainable, low carbon energy generation infrastructure to meet Ireland's growing demand. The development benefits to the local community would include significant investment in local infrastructure and electrical systems, local job creation, and a contribution of approximately €3.6 million¹ in Galway county council rates over the project lifetime.

If consented the proposed Letterkeeghaun Wind Farm will also provide a community fund calculated in accordance with the Renewable Electricity Support Scheme (RESS) Terms and Conditions at €2 per MWh of electricity produced by the project. This is to be made available to the local community for the duration of the RESS (15 years). The average capacity factor of wind energy projects in Ireland is 28.3% (SEAI, 2019). Assuming this efficiency, and a capacity of around 36 MW, the community benefit fund would amount to an average of €178,494 per annum. The actual fund will vary around this average from year to year, depending on each year's wind conditions. Wind measurements at the Study Area suggest that Letterkeeghaun could be capable of achieving an above average capacity factor, and therefore a larger community fund.

This fund is proposed to be divided as per the illustration in the chart below. An annual minimum payment of €1,000 will be provided to each household within 1km of any proposed Letterkeeghaun wind turbine. An annual minimum payment of €500 will be provided to each household located between 1km and 2km of any final turbine position. These payments will be fixed and will not fluctuate. 40% of the fund, amounting to approximately €71,398 per year in this example, will be allocated to not-for-profit community enterprises, with an emphasis on low-carbon initiatives. The remainder of the fund will be directed towards local clubs, societies and other initiatives. EMPower strongly believe that the communities nearest our projects are those that should benefit most from any Community Fund. We welcome any suggestions from the community for suitable local projects that could be supported under this initiative.

Letterkeeghaun Indicative Community Fund Allocation



- Combined Fund for Households <1km distance
- Combined Fund for Households >1km, <2km distance
- Not-for-profit community enterprises
- Fund administration
- Local initiatives, clubs and societies

61
Direct jobs in construction phase

14
Highly skilled jobs over project lifetime

€ 39.6 million
Investment in Irish infrastructure

€ 2.6 million
Total Community Fund Contribution

€ 8.6 million¹
Approximate County Council Rates Contribution

1 - Estimated €8,000 per megawatt installed for 30 year project lifespan

Environmental Impact Assessment

Following initial Study Area assessments, EMPower have commissioned an Environmental Impact Assessment (EIA) for the proposed Letterkeeghaun Wind Farm to assess what effects the proposed project might have on the environment and local community. The result of this assessment will be an Environmental Impact Assessment Report (EIA). The proposed Letterkeeghaun Wind Farm project will include the final EIA with the planning package submitted to the planning & regulatory authorities. The completion of the Letterkeeghaun EIA is currently being carried out by the Sligo based environmental and engineering consultancy, Jennings O'Donovan & Partners Limited. The final design will ensure that any sensitive areas of the Study Area are protected throughout the projects ongoing development.

The EMPower team will host a Letterkeeghaun project consultation webinar event in June 2021, with the aim of providing up to date project design information to the local residents and to respond to any questions or comments on the proposed project or the EIA process.

The proposed Letterkeeghaun Wind Farm EIA will cover a number of topics, including but not limited to:

- > Population and Human Health;
- > Biodiversity;
- > Land;
- > Soil;
- > Water;
- > Air;
- > Climate;
- > Material Assets;
- > Cultural Heritage;
- > Landscape.

A further description of some key EIA activities is presented to the right.

Population and Human Health
This involves examining the effects of infrastructure projects on the surrounding community, examining land use, employment, health and safety, tourism and local amenities.

Ecology
An ecological impact assessment will be carried out in order to assess the impact on the Study Area's flora and fauna, evaluating potential impacts on the local ecosystem. In line with industry best practice, EMPower are currently conducting 2 years bird surveys at the projects Study Area.

Shadow Flicker
Shadow flicker refers to alternating changes in light intensity caused by the moving turbine rotor impacting dwellings. EMPower will carry out a shadow flicker analysis to avoid any potential impact of shadow flicker on local buildings in line with current guidelines.

Noise Assessment
The evolution of wind farm technology over the past decade has reduced mechanical noise from turbines significantly with the main sound now being the aerodynamic 'swoosh' of the blades passing the tower. However, strict guidelines on wind turbines and noise emissions remain to ensure the protection of residential amenity. A noise assessment will be carried out to assess the potential impact of noise on the surrounding community by installing sound meters at noise sensitive locations and using turbine simulations to ensure that the project complies with all relevant noise guidelines.

Landscape and Visual
A zone of theoretical visibility (ZTV) will be produced outlining which turbines will be visible from various locations. Photo montages will identify the visual impact of the project by simulating the proposed operational turbines in situ. This information will be publicly available before a submission is made to the consenting planning authority and will be used to inform the final design and turbine selection.

Water & Hydrology
Hydrology and hydrogeology refers to the study of how water flows under and through the landscape. A desktop survey to establish the baseline conditions within and adjacent to the Study Area will be undertaken. Following this desktop survey, field visits will confirm a number of these findings and inform any required actions or mitigation strategies for the various stages of the proposed project's development, most notably construction. The final project design will minimise the risk of construction materials disturbing local water courses, streams and rivers in the proposed project's vicinity.

Wind Energy Frequently Asked Questions

How efficient is wind energy?

Wind turbines produce electricity approximately 85% of the time. The other 15% of the time they are not turning for reasons, such as: very low wind speeds, very high wind speeds, and maintenance/repair work. Studies suggest that after six to seven months, a wind turbine will have produced as much energy as has gone into constructing it. The output of a wind turbine depends on the turbine's size and the wind's speed through the rotor. A wind turbine with a net capacity factor of 28% and a capacity of 6 MW can produce more than 14,900 MWh in a year – enough to supply approximately 3,500 average Irish households. If consented the proposed Letterkeeghaun Wind Farm's current proposal is anticipated to produce enough electricity to power over 21,000 Irish homes.

Do wind farms affect house prices?

For most of us, the purchase of our family home is the single largest financial investment we will make in our lives. It is completely justifiable that property owners, on hearing any proposals for development in their community, would be anxious about the effect this might have on the resale value of their home. However, there is no peer reviewed evidence that a correctly developed and constructed wind farm will lower property prices or that they impact on property prices in Ireland. Concerns on this topic have driven a great deal of research in many different countries, including the UK, Germany, Australia and the USA, over the last 20 years examining house prices in communities close to wind farms and all have varying conclusions. The majority of research aligns with detailed studies by The Centre for Economics and Business Research (CEBR), The Institute of Chartered Surveyors, The House of Commons Library and Renewable UK where conclusions that wind farms have little or no impact on property values are reached.

What is a wind turbine's lifetime emissions?

Wind energy emits no toxic substances such as mercury and air pollutants like smog-creating nitrogen oxides, acid rain-forming sulphur dioxide and particulate deposits. A 2014 study by the Intergovernmental Panel on Climate Change (IPCC) found onshore wind energy to have the lowest mean lifecycle emissions of all viable sources, such as solar, nuclear energy and natural gas, at just 11 grams CO₂(e) per kWh.

² <https://www.letterkeeghaun.ie/en/updates/question/2015-03-25/section/213/>

Are wind turbines linked to health issues?

EMPower are committed to ensuring that we design, develop, construct and operate our projects and carry out our work to the highest possible health and safety standards. In 2018 the World Health Organisation (WHO) assessed the environmental noise guidelines for a range of noise sources including traffic, noise, aircraft, railways, leisure and activities and wind turbines. The WHO findings align with the view of the Irish Department of Health which states that, "There is no reliable or consistent evidence that wind farms directly cause adverse health effects in humans²". The Irish Department of Health based these findings on research carried out by the Australian National Health and Medical Research Council. The balance of scientific evidence and human experience to date has concluded that wind turbines are not harmful to human health - in fact, wind energy reduces harmful air emissions and creates no harmful waste products when compared with other sources of electricity. However, EMPower are conscious that the potential exists for someone who does not like wind turbines or wind energy to become frustrated, annoyed and possibly anxious on any wind energy project proposal. Please contact us if you would like further detail on this topic.

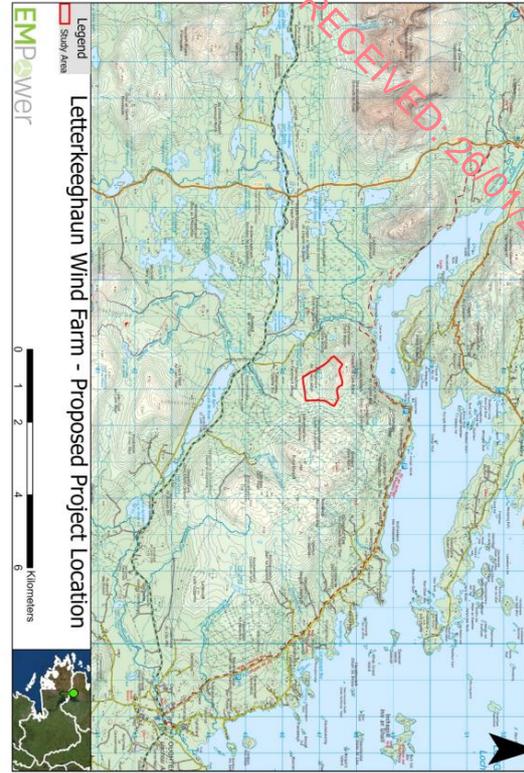
Do wind farms make noise?

It is the duty of EMPower to demonstrate during the planning process noise levels of our turbines will not adversely affect local residents. The studies completed during this period will be used to design the Letterkeeghaun project so noise levels at nearby residential homes do not exceed national planning guidelines. Currently in Ireland and the United Kingdom, guidelines in relation to wind turbine noise levels are set at: "35 and 45 decibels dependent on the time of day and the level of background noise", in line with international best practices. Current guidelines cite a minimum distance of 500m between residential dwellings and Wind Turbines. EMPower are designing the proposed Letterkeeghaun project to be a minimum of 750m from residential dwellings.

Did you know:

The projects noise consultant must discount the noise emitted by existing wind turbines in the area in order to establish a true background noise level. Wind Farms are limited in the amount of noise they can emit above this lower background level.

If you would like to discuss any of the sample questions listed here or any other aspect of the design of the proposed Letterkeeghaun project, please contact us on any of the below mediums.



Contact Us

We welcome conversation, engagement and interaction with you on any aspect of how we are progressing the Letterkeeghaun project proposal. If you would like to chat about this proposed project further please contact us via any of the below means.

Website : www.letterkeeghaunwindfarm.ie
 Email : letterkeeghaun@emp.group
 Phone : 01 588 0178
 Write : EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1



Appendix 1b – 21/05/2021 Community Letter

EMPOWER
2 Dublin Landings, North Wall Quay
North Dock, Dublin D01 V4A3
E: info@emp.group
T: +353 (0)1 588 0178



21/05/2021

Re: Proposed Letterkeeghaun Wind Farm Development, Co. Galway

Dear Resident,

EMPower (EMP) is an international wind energy developer, managing a development portfolio of over 700MW in Europe and Africa. Founded by three Irish directors, our goal is to support Ireland's climate objectives through the development of appropriately located, clean, indigenous energy infrastructure.

We are currently preparing a proposal to develop a 6-turbine wind farm at Letterkeeghaun, Co. Galway, located approximately 9km west of Oughterard. This wind farm would be 38 MW in capacity and would produce enough renewable electricity to power over 21,000 Irish homes per year. Our intention is to submit a planning application to Galway County Council in 2021.

If constructed, Letterkeeghaun Wind Farm will provide a community fund of approximately €178,494 per year on average, to be made available to the local community for the duration of the Renewable Electricity Support Scheme (~15 years). The total fund is calculated as €2/MWh of electricity produced by the project, and as such, may vary depending on the final permitted capacity and generation performance of the project.

As a component of this fund, an annual minimum payment of €1,000 will be provided to each household within 1km of any Letterkeeghaun Wind Farm turbine. An additional annual minimum payment of €500 will be provided to each household between 1km and 2km of any Letterkeeghaun Wind Farm turbine. If you would like to enquire as to the distance of your home from this project, please feel free to contact us at letterkeeghaun@emp.group.

Local not-for-profit enterprises, clubs, and societies will also be eligible to receive funding via the proposed projects community benefit fund, as is further detailed in the enclosed May 2021 Community Consultation Leaflet. We would love to discuss suggestions for projects that you believe could be supported by this fund.

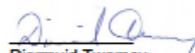
Due to public health guidelines in relation to preventing the spread of COVID-19, we are unable to host a local face-to-face consultation event. The safety of the public and our staff is of paramount importance to us. It is our intention to arrange a public consultation event locally once health guidelines allow it.

In the interim, we will host a live webinar on Thursday the 3rd June 2021 from 7- 8pm where we will run through further details for this proposed project. Details for the online webinar are provided at www.letterkeeghaunwindfarm.ie/webinar.

Our project website (www.letterkeeghaunwindfarm.ie) will be updated regularly with project information as studies progress and the final Environmental Impact Assessment Report will be published for public comments prior to submission of a planning application. You may submit comments through the website, write to us at Letterkeeghaun Windfarm, EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1. Or alternatively email us directly at letterkeeghaun@emp.group.

We look forward to hearing from you.

Yours Sincerely,



Diarmuid Twomey
Director

EMPOWER is a registered trading name of EMP Energy Limited, a private limited company registered in Ireland under company number 630312. Directors: Diarmuid Anthony Twomey, Iñigo Sabater Elzaguirre, Ingmar Wilhelm, Vimal Vallabh, Seán mac Cann. Registered office: 2 Dublin Landings, North Wall Quay, North Dock, Dublin D01 V4A3.

Appendix 1d – 21/05/2021 Irish Language Newsletter & Community Letter

Feirm Ghaoithe Leitir Caocháin

Nuachtlitr an Tionscadail - Bealtaine 2021



Cé hé EMPower

Is forbróir fuinnimh in-athnuaite Éireannach é EMPower le breis agus 700 MW á fhorbairt san Eoraip agus san Afraic. Tá ár bhfoireann bainistíochta sinsear comhleáanta de chuidigh gairmi Éireannacha a bhfuil taithí chomhcheangailte de 95 bliain acu maidir le tionscadail a sheachadadh ó gcoincheap go hollró i gcúig mhóir-roinn. Tá ceanncheathrú EMPower lonnaithe i mBaile Átha Cliath.

Tá EMPower faoi úinéireacht GGE Ireland Limited, Wind Power Invest A/S agus EMP Holdings Limited. Chuireamar tús le forbairt tionscadail in Éirinn in 2018 tar éis fógra an rialtais faoi Scém Tacaíochta Fuinnimh in-athnuaite (RESS) agus sprioc leictreachais athbhréinthe na hÉireann de 70% athnuaiteáil faoi 2030.

Is i n-ádh eile á gairm fuinnimh in-athnuaite (seacharbóin, neamh-ionnach, inachmhairne a sholáthar chun geallgair na hÉireann atá ag dul i méid a fású agus chun spriocanna fuinnimh inbhuanaíthe a éascú. Táimid ag ullmhú cúlpeisí pleanála faoi lúthair chun larratas pleanála a chur faoi bhráid Comhairle Chontae na Gaillimhe ag deireadh an Fhómhair 2021. Chomh maith leis na treoirleite forbartha fuinnimh gaoithe Éireannacha dea-cheachtáil reatha atá i bhfeidhm, leanann EMPower Prionsabail an Mheánchiorcail agus Caidheáil Feidhmeacha IFC le linn gach cóm den fhorbairt d'fhonn cosaint na héiceolaíochta agus na bpobal áitiúil ina bhfuil ár dtionscadail beartaite a chinntú.

Déanfar sulomh gréasáin ár dtionscadail (www.letterkeeghauwindfarm.ie) a nuashonrú go rialta le faisnéis tionscadail de réir mar a bheidh sí ar fáil, agus follofar an Measúnú Tionchair Timpéallachta deiridh le haghaidh tairlacha a tháil sula cuirfeair síos é. Cuir treach tuairim tríd an sulomh gréasáin nó seo ríomhphost chugainn go díreach ag letterkeeghau@empb.ie

95 Bliain
De Thairtí Chomhcheangailte ar Fhoireann Bainistíochta EMPower i bhFuinneamh in-athnuaite.

700 MW+
De Chumas Fuinnimh Gaoithe atá á Fhorbairt Faoi lúthair ag EMPower

5 Mór-Roinn
Tairtí Geagrafach Comhcheangailte d'Fhoireann EMPower ar Fhuinneamh in-athnuaite



- 6 Thuirbin
- Uasairde an Ghoib 185m
- 36 MW
- Cumhacht ghlan do níos mó ná 21,000 Teach Éireannach
- Gan aon Linte Tarchurtha Lastuas

Tá an tionscadail beartaite d'Fheirm Ghaoithe ag Leitir Caocháin comhleáanta de Limistéar Staidéir de 207 acra ar le hainneir talún áitiúla iad. Tá an Limistéar Staidéir suite timpeall 9km siar ó Uachtar Ard agus 6km soir ón dTeach Dóite. Beidh long deiridh an tionscadail beartaite thart ar 15 acra. Tá tionscadail 6 thuirbin faoi lúthair a moladh ag EMPower le huasmhéid bliain de 185m, faoi réir staidéir, measúnaithe tionchair timpeallachta agus cead pleanála.

Limistéar Staidéir Feirm Ghaoithe atá beartaite do Leitir Caocháin



Sceideal an Tionscadail Bheartaithe

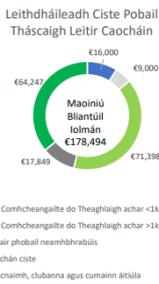
Limistéir/Phobail	2019	2020	2021	2022	2023	2024	2025	2026	2027
Staidéir/Comhairle	Q1								
Wind Measurement									
Controlling Strategy									
Planning Submission									
Grid Connection									
Detailed Project Design									
Project Construction									
Wind Farm Operational									

Leas don Phobal

Má tholltar leis, beidh infheistíocht €39.6 milliún ag teastáil ón tionscadail atá beartaite d'Fheirm Ghaoithe Leitir Caocháin agus soláthróidh sé bonnagar gúna fuinnimh ísealcharbóin inbhuanaíthe chun freastal ar éileamh méadaitheach na hÉireann. Aireofar ar na bunaití forbartha don phobal áitiúil infheistíocht shuntacha i mbonnagar áitiúil agus i gcearta leictreacha, cruthú post áitiúil, agus ranníocaíocht de thart ar €8.6 milliún i rialt chomhairle chontae na Gaillimhe thar shaolré an tionscadail.

Má tholltar leis soláthróidh Feirm Ghaoithe Leitir Caocháin ciste pobail freisin ama ríomh de réir Théarmaí agus Choinníollacha na Scéime Tacaíochta Leictreachais In-athnuaite (RESS) ag €2 in aghaidh an MWh den leictreachas ama thairgthead ag an tionscadail. Cuirfear é seo ar fáil don phobal áitiúil ar feadh ré an RESS (15 bliana). Is ionann meánfhachtóir acmhainne na dtionscadail fuinnimh gaoithe in Éirinn agus 28.3% (UHIÉ, 2019). Ag glacadh leis an éifeachtúlacht seo, agus acmhainn timpeall de 36 MW, bheadh an ciste sochair pobail cotrom le €178,494 in aghaidh na bliana ar an meán. Athróidh an ciste labhair timpeall an mhéid seo ó bhliain go bliain, ag brath ar dháil gaoithe gach bliain. Tugann tomhais gaoithe ag an Limistéar Staidéir le tuiscint go bhféadfaidh Leitir Caocháin a bheith in ann factóir acmhainne atá os cionn an mhéid a bhaint amach, rud a chiallaíonn go mbeadh an ciste pobail níos mó.

Tá sé beartaite an ciste seo a roinnt de réir na léaráid sa chairt thíos. Cuirfear ar fáil iocaíocht iosta bhliantúil de €1,000 do gach teaghlaigh laistigh de 1km ó aon tuirbin gaoithe atá beartaite do Leitir Caocháin. Cuirfear ar fáil iocaíocht iosta bhliantúil de €500 do gach teaghlaigh atá suite idir 1km agus 2km d'aon tuirbin gaoithe deiridh. Socrofar na hiocaíochtaí seo agus ní thiofaidh aithri orthu. Leithdháileadh 40% den chiste, arb ionann é agus thart ar €71,398 in aghaidh na bliana sa sampla seo, ar fhiontar phobail neamhbhrabús, le bém ar thionscainm ísealcharbóin. Beidh an chuid eile den chiste dírithe ar chlubanna áitiúla, cumainn agus tionscainm eile. Creideann EMPower go bfuil gurb iad na pobal is gaire dár dtionscadail na pobal ar cheart tairbhe a bhaint as aon Ciste Pobail. Cúitimid fáilte roimh aon mhítharl ón bpobal maidir le tionscadail áitiúla oifnuaacha a dhéanfaid tacaíocht a thabhairt dóibh faoi tionscainm seo.



61
Post díreach a bheidh ann i gcéim na tógála

14
Post ardíote thar shaolré an tionscadail

€ 39.6 milliún
D'infheistíocht i mbonnagar na hÉireann

€ 2.6 milliún
De Ranníocaíocht Iomláin leis an gCiste Pobail

€ 8.6 milliún
De Ranníocaíocht Ráit Rámh-Mheasta leis an gComhairle Contae

Measúnacht Tionchair Timpéallachta

Tar éis measúnaithe tosaigh ar Limistéar Staidéir, choimisiúnaigh EMPower Measúnacht Tionchair Timpéallachta (MTT) don Fheirm Ghaoithe atá beartaite do Leitir Caocháin chun measúnú a dhéanamh ar na héifeachtaí a d'fhéadfaid a bheith ag an tionscadail beartaite ar an gcomhshuíol agus ar an bpobal áitiúil. Mar thoradh ar an measúnú seo, cuirfead Tuarscáil ar Mheasúnacht Tionchair Timpéallachta (TMTT) ar fáil. Cuimseofar sa tionscadail beartaite don Fheirm Ghaoithe ag Leitir Caocháin an TMTT deiridh agus cuirfead an pacáiste pleanála faoi bhráid na n-údarás pleanála & rialála. Tá tiomsú den TMTT do Leitir Caocháin á dhéanamh faoi lúthair ag an sainchomhairleacht comhsaoil agus innéaltóireachta atá bunaithe i Silgeach, Jennings O'Donovan & Partners Limited. Cinntíodh an dearadh deiridh go gcosnófar aon linnleáir fágáire den Limistéar Staidéir le linn fhorbairt leanúnach an tionscadail.

Rechtáilfaidh foireann EMPower ócáid sheimneár gréasáin comhairleachán do thionscadail Leitir Caocháin i mí an Mheithimh 2021, agus é mar aidhm aige faisnéis dearaidh cotrom le dáta a sholáthar do na cónaitheoirí áitiúla agus freagra a thabhairt ar aon cheisteaná nó bándacha faoi tionscadail beartaite nó faoi bprósas MTT.

Cumhdófar sa TMTT um Fheirm Ghaoithe Leitir Caocháin roinnt ábhar, lena n-áirítear a chur gan a bheith teoranta:

- Daonna agus Sláinte an Duine;
- Bitheáil; agus
- Talamh;
- Uisce;
- Aer;
- Aeráid;
- Sócmhainní Ábhair;
- Oidhreacht Chultúrtha;
- Tírdheacht.



Daonna agus Sláinte an Duine
Áirítear anseo scrúdú ar éifeachtaí na dtionscadail bonnagar ar an bpobal máguaird, scrúdú ar ósáid talún, foataíocht, sláinte agus sábháilteacht, turasóireacht agus tairneamhachtaí áitiúla.

Éiceolaíocht
Déanfar measúnacht tionchair éiceolaíoch d'fhonn an tionchar a bhíodh agus fairs na n-áite a bhíodh ar mhéad, agus tionchar fheideartha ar an éiceoschóir áitiúil a mhéad. Ag teacht le dea-cheachtáil tionscadail, tá EMPower i mbun sarthéarmaí eile de 2 bhliain fua lúthair ag Limistéar Staidéir na dtionscadail.

Ceatharl Scáilleana
Tairgionn ceatharl scáilleana d'athnuaite malartacha ar dhéine solais de bharr rothlaid ar tuirbin ag bogadh agus tionchar a bheith acu ar aithri. Déanfaidh EMPower anailís ceatharl scáilleana chun aon tionchar a d'fhéadfaid a bheith ag scáilchruinn ar thoirgimh áitiúla a sheachaint de réir na treoirleite reatha.

Measúnú Torainn
Le dech mbliana anuas tá leghid mór tagtha ar thorann meicniúil ó thuirbin buíochas le forbairt i dtionscainm na feirme gaoithe agus is é an príomhthiam anois ná 'suaíocht' aerodinimiciúil na lann a dhéanamh ar an tur. Mar sin féin, tá treoirleite docha fós ann maidir le turbin gaoithe agus aistialóich torainn chun cosaint tairneamhachta cónaithe a chinntiú. Déanfar measúnú torainn chun tionchar fheideartha torainn ar an bpobal máguaird a mhéad trí mhéadair fuaimne a shuáil agus suímhanna atá lagair ó thairbin torainn agus trí insamhaltú turbiní a úsáid chun a chinntiú go gcomhlíonann an tionscadail na treoirleite torainn ábhartha go léir.

Treoirleite agus Amhairc
Déanfar críos infheistíochta treoirleite (ZTV) a thairgadh ina dtairbhar breac-churtais ar na turbiní a bheidh le feiceáil ó áiteanna éagsúla. Sainitheofaí le montáil ghringfhar tionchar amhairc an tionscadail trí na turbiní oibríochta in situ atá beartaite a ionsamhú. Beidh an fhaisnéis seo ar fáil go poiblí sula ndéanfar aighneacht chug an údarás pleanála toilthe agus ósáidfeir i chun an dearadh deiridh agus an rognú turbin a threoir.

Uisce & Hidreolaíocht
Tairgionn hidreolaíocht agus hidreolaíocht don staidéir ar an gcaol a rithéann uisce faoi tírdheacht agus tríd. Tairbhar faoi shuáilthe deisce chun na coinníollacha fuaimne a bhunú laistigh den Limistéar Staidéir agus in áite leas. Tar éis an tsuáilthe deisce seo, deimhneofar le cuairteanna allamhugh roinnt de na fionnachana seo agus cuirfead bonn eolaí faoi aon ghreimh nó stráitís maolaithe a bheidh ag teastáil do na céimeanna éagsúla d'fhorbairt an tionscadail atá beartaite, go háirithe an tógáil. Le dearadh deiridh an tionscadail laghdóidh an noisca go gcuirfidh ábhar thógála ísteach ar chúrsaí uisce áitiúla, suáilthe agus aithneacha i gcomharsanacht an tionscadail atá beartaite.

Ceisteanna Coitianta maidir le Fuinneamh Gaoithe

Cé chomh héifeachtúil agus atá fuinneamh gaoithe?

Le turblíní gaoithe, táirgear leictreachas timpeall 85% den am. An 15% eile den am ní bhíonn siad ag casadh ar chéim, mar shampla: lusanna gaoithe an-íde, lusanna gaoithe an-arda, agus obair chothabhála/deisúcháin.

Tugann staidéir le fios, tar éis sé go seacht mí, go mbeidh turblín gaoithe tar éis an cisead fuinnimh a tháirgeadh agus a úsáid deon tógáil. Braitheann aschur turblín gaoithe ar mhéid an turblín agus ar luas na gaoithe tríd an rothlár. Fíadaim turblín gaoithe le glanfhachtóir acmhainne de 28% agus acmhainn tháirgthe de 6 MW níos mó ná 14,900 MWh in aghaidh na bliana - i ndóthain chun leictreachas a shábháir do thart ar 3,500 teaghlach ar an meán in Éirinn. Má thólltar léis tithiar ag súil go ndéanfaidh an tóra reatha d'Fheirm Ghaoithe ag Lettir Caocháin i ndóthain leictreachais a tháirgeadh chun cumhacht a thabhairt do 21,000 teach in Éirinn.

An míonn tionschar ag feirmeacha gaoithe ar phraghsanna tithí?

Don chuid is mó d'ionn, is é ceannach ár dtéach teaghlach an infheistíocht airgeadais anoir is mó a dhéanfaid inár saol. Tá sé inchosanta go hiomlán go mbeadh linn ar úinéir de tithí, nuair a chloisceann siad an míobach maidir le forairt ina bpoib, imeachtaí faoi éifeacht a d'fhéadfaid a bheith aige seo ar lúch aththiola a dtí. Mar sin féin, níl aon fianaise aithneithithe ag piaraí go laghdúid feirm gaoithe a forbraicid agus a tógadh i gceart praghsanna réadmhaíne nó go mbeadh tionschar acu ar phraghsanna réadmhaíne in Éirinn. Tá imní ar an abhar seo tar éis cuid mhór taighde a spreagadh i go leor turba éagsúla, lena n-áirítear an RA, an Cheimrín, an Astráil agus SAM. Le 20 bliain anuas ag scrúidí praghsanna tithí i bpoib atá gar d'feirmeacha gaoithe agus tá conclúid éagsúla acu uile. Ainmníonn tromlach an taighde le staidéir mhionsonraithe ag an Ionad um Thaighde Eacnamaíochta agus Gnó (CEBR), Institiúid na Surbhéirí Cairte, Leabharlann Theach na dTeachtal agus Renewable UK atá a dtábhacht ar chonclúid nach bhfuil ach beagán nó aon tionschar ag feirmeacha gaoithe ar luachanna maíne.

Cad é astaíocht saoil turblín gaoithe?

Ní astaíonn fuinneamh gaoithe aon substaintí tocsaineacha amháil mearcair agus truailléin aéir ar nós ocsaíde nítrigine a chruithaíonn tóil, de-ocsáidí sulfair a fhoirmíonn báistreacha aigéadach agus táidí cáitíníní. Aimsíodh i staidéir in 2014 a rinne an Páinéal Idir-Rialtasach ar Athró Aeráide (IPCC) go raibh na hadaíochtaí saolré is ísle ag fuinneamh gaoithe ar talamh i gcomparáid le gach foinsé inmharghanna, amháil gréine, fuinneamh núicléach agus gás nádúrtha, ag díreach 11 gram CO2(e) in aghaidh an kWh.

An bhfuil turblíní gaoithe nasctha le saincheistanna sláinte?

Tá EMPower tionsana a chur i gceist go ndéanaimid ár dtionscadal a dhearadh, a fhorbairt, a thógáil agus a obriú agus ár gcuid oibre a dhéanamh de réir na gaighdeán sláinte agus sábháilteachta is áirde is féidir. In 2018 rinne an Eaglaíocht Dhomhanda Sláinte (EDS) meaisín ar na treoirlínte torann comhsaol do raon foinsí torann lena n-áirítear trácht, torann, aerárthach, lámróid, fóllíocht agus gníomhaíochtaí agus turblíní gaoithe. Tá torthaí an EDS ar aon dul le dearcadh Róim Sláinte na hÉireann a dté: "Níl aon fianaise iontaofa ann go bhfuil drochthionchar díreach ag feirmeacha gaoithe sláinte ar dhaoine". Bhunaigh Róim Sláinte na hÉireann na fianachtaí seo ar tháighde a rinne Comhairle Náisiúnta um Tháighde Sláinte agus Leighis na hAstráile. I gcothromaíocht na fianaise eoláiche agus eispéireas an duine a rinneadh go dtí seo tugadh chun críche nach ndéanann turblíní gaoithe dochar do shláinte an duine - i ndáiríre, laghdálann fuinneamh gaoithe astaíochtaí docharacha aéir agus ní chruithaíonn sé aon tairgí dramhaíola docharacha i gcomparáid le foinsí leictreachais eile. Mar sin féin, tuigean EMPower go bhfuil an fhéidearthacht ann go n-éireadh duine, nach dtáinig turblíní gaoithe nó fuinneamh gaoithe leo, frustach, cráite agus b'fhéidir imníoch faoi aon tógra tionscadal fuinnimh gaoithe. Téigh i dtionscail linn más mian leat tuilleadh sonraí a fháil ar an abhar seo.

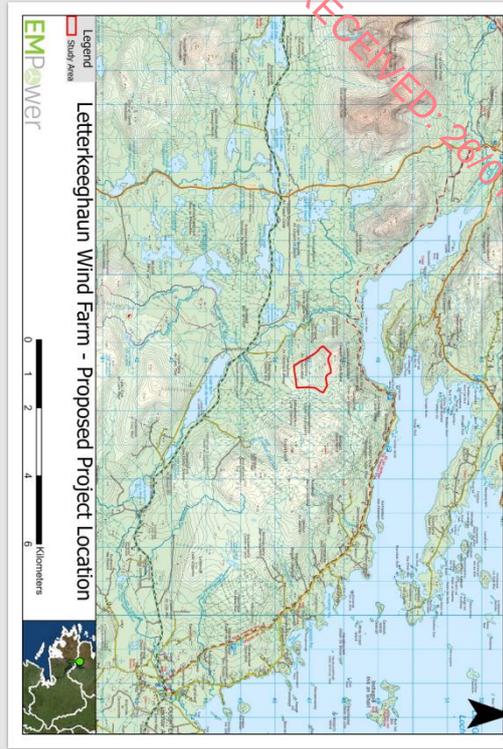
An ndéanann feirmeacha gaoithe torann?

Tá sé de dhaigéis ar EMPower a thaispeáint le linn an phróisis pheanála nach mbeidh drochthionchar ag leibhéal torann ar dtuirlíní ar chonairteoirí áitiúla. Úsáidfeá na staidéir a cúlraid i gceist le linn na tréimhe seo chun tionscadal Lettir Caocháin a dhearadh ionas nach sárfaí na treoirlínte pheanála náisiúnta le leibhéal torann i dtithe cónaithe in áite áirithe. Faid láthair in Éirinn agus sa Ríocht Aontaithe, leagtar amach treoirlínte maidir le leibhéal torann turblíní gaoithe ag 35 agus 45 decibeil ag brath ar an áite agus leibhéal an torann chónaithe, de réir dea-chleachtas idirnáisiúnta. Luann na treoirlínte reatha iosta de 500m táir áitribh chónaithe agus Turblíní Gaoithe. Tá EMPower ag dearadh an tionscadal atá beartaithe do Lettir Caocháin ionas go mbeidh sé 750m ar a laghad ó áitribh chónaithe.

An raibh a fhios agat?

Ní mór do chomhairleoir torann an tionscadal gan an torann a astaíonn turblíní gaoithe atá ann cheana sa cheantar a chur san áireamh d'ionn forbréalaí torann cónaithe a bhfuil. Tá Feirmeacha Gaoithe teoranta maidir leis an méid torann is féidir leo a astú os cionn an leibhéal chónaithe níos ísle seo.

Más mian leat aon cheann de na ceisteanna samplaigha atá liostaithe anseo nó aon ghné eile de dhearadh an tionscadal Lettir Caocháin atá beartaithe a phlé, déan teagmháil linn ar aon cheann de na meáin thíos.



² <https://www.pireachtas.ie/en/debates/question/2015-03-25/section/213/>



Déan Teagmháil Linn

Ba mhaith linn dul i mbun plé leat, agus dul i mbun rannpháirtíochta agus idirghníomhaíochta leat maidir le haon ghné den dul chun cinn atá a dhéanamh againn ar thogra tionscadal Lettir Caocháin. Más mian leat comhár breise a dhéanamh faoi tionscadal beartaithe seo déan teagmháil linn trí aon cheann de na modhanna thíos.

Suíomh Gréasáin: www.letterkeeghaunwindfarm.ie
 Ríomhphost: letterkeeghaun@emp.group
 Teileafón: 01 588 0178
 Sa Phost: EMPower, 2 Dublin Landings, Cé an Phoirt Thuaidh, An Duga Thuaidh, Baile Átha Cliath 1



EMP (Holdings) Limited (Ag Trádáil mar EMPower)
2 Dublin Landings, Cé an Phoirt Thuaidh, An Duga Thuaidh,
Baile Átha
Cliath 1, D01 v4A3

R: info@emp.group
T: +353.1.8245.791

EMPower

RECEIVED: 26/01/2023

21/05/21

Maidir le: Forbairt atá Beartaithe d'Fheirm Ghaoithe Leitir Caocháin, Co. Na Gaillimhe

A Chónaitheoir a chara,

Is forbróir idirnáisiúnta d'fhuinneamh gaoithe é EMPower (EMP), a bhainistíonn punann forbartha de níos mó ná 700MW san Eoraip agus san Afraic. Bunaithe ag triúr stiúrthóir Éireannacha, tá sé mar aidhm againn tacú le cuspóirí aeráide na hÉireann trí bhonneagar fuinnimh dhúchasaigh ghlain a bheidh suite go cuí a fhorbairt.

Tá togra a ullmhú againn faoi láthair chun feirm ghaoithe de 6 thuirbín a fhorbairt ag Leitir Caocháin, Co. Na Gaillimhe, atá suite timpeall 9km siar ó Uachtar Ard. Bheadh acmhainn táirgthe de 36 MW ag an bhfeirm ghaoithe seo agus tháirgeadh sí dóthain leictreachais in-athnuaite chun cumhacht a thabhairt do níos mó ná 21,000 teach in Éirinn in aghaidh na bliana. Tá sé ar intinn againn iarratas pleanála a chur faoi bhráid Comhairle Chontae na Gaillimhe:

Má thógtar é, soláthróidh Feirm Ghaoithe Leitir Caocháin ciste pobail de thart ar €178,494 in aghaidh na bliana, a chuirfear ar fáil don phobal áitiúil ar feadh ré na Scéime Tacaíochta Leictreachais In-athnuaite (~15 bliana). Ríomhtar an ciste iomlán mar €2/MWh den leictreachas a tháirgeann an tionscadal, agus dá bhrí sin, athróidh sé ag brath ar acmhainn cheadaithe deiridh agus feidhmíocht ghiniúna an tionscadail.

Mar chuid den chiste seo, tabharfar iocaíocht bhliantúil de €1,000 do gach teaghlach laistigh de 1km ó aon tuirbín ag an bhFeirm Ghaoithe Leitir Caocháin. Tabharfar iocaíocht bhliantúil bhreise íosta de €500 do gach teaghlach idir 1km agus 2km d'aon tuirbín ag an bhFeirm Ghaoithe Leitir Caocháin. Más mian leat fiosrú a dhéanamh faoi cé chomh fada atá do theach ón tionscadal seo, tá fáilte romhat teagmháil a dhéanamh linn ar letterkeeghaun@emp.group.

Beidh fiontair, clubanna agus cumainn áitiúla neamhbhrabúis incháilithe freisin chun maoiniú a fháil ón gciste sochair phobail, mar atá mionsonraithe tuilleadh sa Bhileog Chomhairliúcháin Pobail do mhí na Bealtaine 2021 atá faoi iamh. Ba bhreá linn moltaí a plé leat maidir le tionscadail a chreideann tú ar chóir go dtacódh an ciste seo leo.

Mar gheall ar threoirínte sláinte poiblí maidir le cosc a chur ar scaipeadh COVID-19, ní féidir linn imeacht comhairliúcháin duine-le-duine áitiúil a óstáil. Tá sábháilteacht an phobail agus ár bhfoireann fíorthábhachtach dúinn. Tá sé ar intinn againn imeacht comhairliúcháin phoiblí a eagrú go háitiúil a luaithe agus a cheadaítear é le treoirínte sláinte.

Idir an dá linn, beimid ag óstáil seiminear gréasáin beo ar an Déardaoin an 3 Meitheamh 2021 ó 7-8in, ina labhróimid faoi thuilleadh mionsonraí maidir leis an tionscadal beartaithe seo. Tá sonraí maidir leis an seiminear gréasáin ar fáil ar www.letterkeeghaunwindfarm.ie/webinar.

Déanfar suíomh gréasáin ár dtionscadal (www.letterkeeghaunwindfarm.ie) a nuashonrú go rialta le faisnéis tionscadail de réir mar a dhéanfar dul chun cinn ar na staidéir agus foilseofar an Tuarascáil Measúnachta Tionchair Timpeallachta deiridh le haghaidh barúlacha poiblí a fháil sula gcuirfear iarratas pleanála isteach. Féadfaidh tú tráchtanna a chur isteach tríd an suíomh gréasáin, scríobh chugainn ag Feirm Ghaoithe Leitir Caocháin, EMPower, 2 Dublin Landings, Cé an Phoirt Thuaidh, an Duga Thuaidh, Baile Átha Cliath 1. Nó seol ríomhphost chugainn go díreach ag letterkeeghaun@emp.group.

Táimid ag tnúth le cloisteáil uait.

Mise le meas,



Diarmuid Twomey
Stiúrthóir

Stiúrthóirí Iñigo Sabater Eizaguirre, Karina Clausen, Diarmuid Anthony Twomey, Seán Gerard mac Cann. Is cuideachta phríobháideach theoranta é Emerging Markets Power (Holdings) Limited atá cláraithe i dTuaisceart Éireann faoin uimhir cuideachta NI639584. **Oifig chláráithe:** Teach Murray, Sráid Murray, Béal Feirste BT1 6DN.

Appendix 1e – 03-06-2021 Design Webinar

Proposed Letterkeeghaun Wind Farm Project

Public Consultation Webinar No. 1
June 03rd 2021



This Webinar will be made available on the Letterkeeghaun Project website for those who are unable to attend this evening

We will begin momentarily, just allowing people a few extra minutes to dial in.....



EMPower

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



3

Proposed Letterkeeghaun Wind Farm Project

EMPower

- Company Introduction
- Proposed Project Introduction
- Study Area Screening
- Community Benefits
- Question Time
- Environment Impact Assessments
- Question Time
- Conclusion



2

Project Introduction

EMPower



Proposed Letterkeeghaun Wind Farm Project
- Tawnaghbeg, Tullaghmore, Derrybeg in Co. Galway
- Proposal for 6 Turbines
- 36 MW
- Max Blade Tip height of 185m
- Enough electricity to power over 21,000 Irish homes
- €39.6 million investment
- Estimated community benefit fund of €178,494 per annum!

JENNINGS O'DONOVAN CONSULTING ENGINEERS

4

Project Schedule

EMPower

Planning Submission to Galway County Council	Q1 - 2022
Grid Connection Submission	Q1 - 2023
Detailed Project Design	Q4 - 2023
Construction Commences	Q1 - 2027



5

Wind Energy in Ireland in 2030

EMPower

In 2018 a Climate Emergency was declared → The Climate Action Plan 2019 is Ireland's all of Government Plan to tackle climate break down and achieve net zero greenhouse gas emissions by 2050

Key Metrics	2017	2023 Based on MAEC	2030 Based on MAEC
Share of Renewable Electricity, %	~30%	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 (MAEC) Analysis

Wind Energy in Ireland Today

EMPower

32.5% In 2019 wind energy provided 32.5% of our electricity

4,130 MW The Republic of Ireland now has 4,130 MW of installed wind capacity.

24 New wind farms built in 2019.

An extra **463 MW** of new wind capacity installed.

Wind **outperformed** gas in February and December.

New record set with **4,039 MW of wind** on the all-island system.

Study Area 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

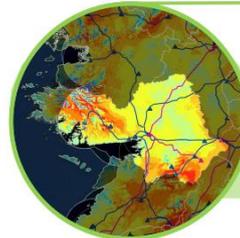


Study Area Screening



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

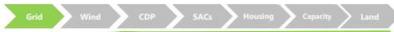
Study Area Screening



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

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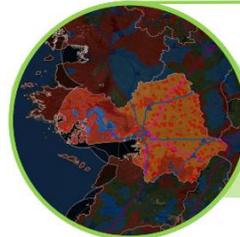
Study Area Screening



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

- Legend
- 220V Line
 - 200V Substation
 - 110V Substation
 - 110V Line
 - Area Under Economic Orders of Grid

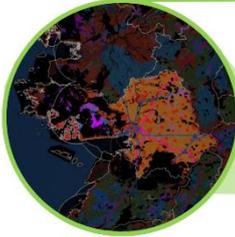
Study Area Screening



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

- Legend
- 220V Line
 - 200V Substation
 - 110V Substation
 - 110V Line
 - Area Under Economic Orders of Grid
 - Galway Strategic
 - Galway OTC
 - Galway Unstable

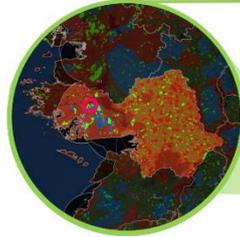
Study Area Screening



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

- Legend
- Galway Strategic
 - Galway OTC
 - Galway Unstable
 - Interconnective Interceptors
 - Interconnectors
 - Interconnectors

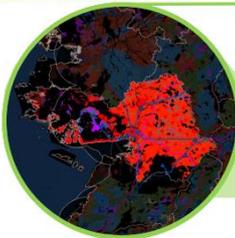
Study Area Screening



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

- Legend
- Galway Strategic
 - Galway OTC
 - Galway Unstable
 - Potential Suitable Area

Study Area Screening



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

- Legend
- Galway Strategic
 - Galway OTC
 - Galway Unstable
 - Interconnective Interceptors
 - Interconnectors
 - Interconnectors
 - Interconnectors

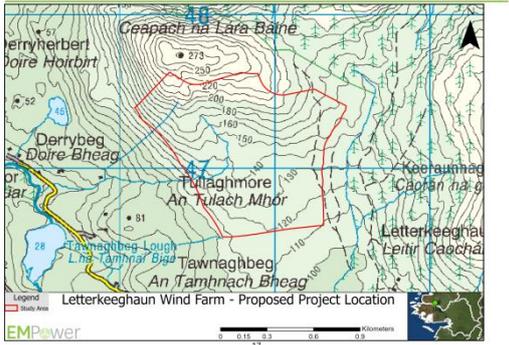
Study Area Screening



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

- Legend
- Potential Suitable Area

Proposed Letterkeeghaun Study Area



Letterkeeghaun - Proposed Project Location

Community Benefits

- 61** Direct jobs in construction phase
- 14** Highly skilled jobs over project lifetime
- € 39.6 million** Investment in Irish infrastructure
- € 2.6 million** Total Community Fund Contribution
- € 8.6 million¹** County Council Rates Contribution



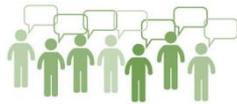
¹ - Estimated €8,000 per acre included for 50 year project lifespan

Question Time



Environmental Impact Assessment

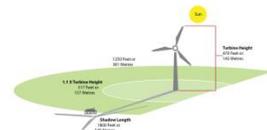
Social Impact



Flora & Fauna

Environmental Impact Assessment

Shadow Flicker



Sound

Environmental Impact Assessment

Hydrology



Ornithology

Environmental Impact Assessment

Construction and Civil Engineering



Archaeology

Virtual Community Consultation Room EMPower



25

Question Time EMPower



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26

Question Time EMPower



26

Conclusion EMPower

- **Proposed Letterkeeghaun Wind Farm Project**
 - Proposal for 6 Turbines
 - 36 MW
 - 31,874 Irish homes powered
 - Submission of Planning application to Galway County Council
- **Community Fund**
 - €178,494 per year
 - Min €1,000 per year (households <1km)
 - Min €500 per year (households >1km <2km)
- **Next Steps**
 - Environmental Assessments of the Study Area
 - Access and Delivery Route Assessment
 - Grid Connection Methodology
 - Submission of Planning application to Galway County Council 2022



Please contact us at any stage if you have any further question or suggestions on this proposal

Address : EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1
 Email : letterkeeghaun@emp.group or info@emp.group
 Phone : 01 588 0178

Project website www.letterkeeghaunwindfarm.ie

27

Appendix 2a – 14/07/2021 and 22/09/2021 Project Information Letters

2 Dublin Landings,
North Wall Quay,
North Dock,
Dublin D01 V4A3
14/07/2021

Dear Householder,

We, EMPower, hope this correspondence finds you well. As communicated through community engagements in the Letterkeeghaun area, we are currently looking at developing a wind resource in the locality. For further information on the proposed project please visit www.letterkeeghaunwindfarm.ie. I have also enclosed a project information newsletter in this correspondence.

Jennings O'Donovan, an environmental consultancy based in Sligo are undertaking an Environmental Impact Assessment (EIA) for the proposed development. As part of the EIA process a variety of assessments are undertaken, including noise. In order to accurately assess the potential noise impacts and take these into account in the proposed project's design we would like to undertake background noise monitoring at a number of locations in the vicinity of the proposed projects Study Area. Accordingly, your property, along with others, provides scope as a potential monitoring location and we seek your permission to place noise monitoring equipment within the garden/outside area of your property. Exact location of the monitoring equipment can be determined with you at a later date if you are in agreement.

The noise study will require noise specialists from Jennings O'Donovan to place a small mobile sound level meter (see picture of typical installation below) to continuously measure the background noise level of the area for a period of between two to four weeks. The monitors do not record audio and the householder has no responsibility for the unit. The noise data that is measured will then be used as a baseline to help inform the proposed project's design and assess any potential noise impacts which could result from the proposal. This noise monitoring process is in line with best practice for this type of development and all results will be reported in the documents which will accompany the proposed project's planning application. The positioning of the proposed monitoring units will be carried out under strict operating protocols and will be in accordance with all current Government operating procedures in relation to the Covid19 pandemic.

Should you have any further questions regarding this proposed background noise level monitoring, or any other aspect of the proposed project please contact Brian O'Shea on the below contact details. We would hope to carry out this phase of background noise monitoring over the coming 2 months. We look forward to hearing back from you at your convenience.

www.letterkeeghaunwindfarm.ie

RECEIVED: 26/01/2023

Photograph of typical installed Sound Level Meter



Thank you very much for taking the time to consider this request.

Kind Regards

[Redacted Name]

EMPower

Tel: [Redacted Phone Number]

Email: letterkeeghaun@emp.group

www.letterkeeghaunwindfarm.ie

Appendix 3a – 20/09/2021 Project Information Letter

RECEIVED: 26/01/2023

EMPOWER
2 Dublin Landings, North Wall Quay
North Dock, Dublin D01 V4A3
E: info@emp.group
T: +353 (0)1 588 0178



20/09/2021

Re: Proposed Tullaghmore (formally Letterkeeghaun) Wind Farm Project at Derrybeg, Tawnaghbeg, Tullaghmore, in Co. Galway.

Dear Resident,

As you may be aware from previous correspondence, EMPower are actively exploring the potential for a wind farm development opportunity in the Derrybeg, Tawnaghbeg, Tullaghmore, area of Co. Galway. The Study Area for the proposed project is located approximately 9km West of Oughterard and 6km East of Maam Cross. We hope you have had a chance to look through the first project's newsletter and webinar details distributed back in May 2021. To view this material again please visit the proposed project's website.

As the project studies continue, and taking on board local community suggestions, it seems that the Letterkeeghaun townland does not adequately represent where the majority of the proposed projects Study Area is now centred. Therefore, we have renamed the proposed project as **Tullaghmore**.

As we begin the project scoping phase with statutory and non-statutory consultees such as National Parks and Wildlife, Inland Fisheries Ireland, Fáilte Ireland, and Galway County Council we feel the name **Tullaghmore** better represent the proposed projects Study Area. Please be assured any future correspondences sent to us via the previous Letterkeeghaun contact details will still reach us.

The proposed projects environmental and engineering studies are continuing. Options for a proposed delivery route for the turbine components as well as the export options for the electricity that the proposed project could produce are being looked at in detail currently. We are also hoping to shortly commence background noise studies to inform the project's design process.

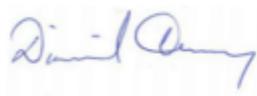
The project's environmental and ornithology studies also continue. Ecology specialists are spending many hours at vantage point watches studying species which may interact with the Study Area. Ecologists are also conducting many field and habitat studies in order to better understand the geology and hydrology of the Study Area

We commit to distributing future project information as the final design proposal begins to materialise. This will set out some more detailed information on the proposed project's design process and follow up on some of the questions and queries we have received to date. We will continue to make every effort to ensure that we provide you with all the information you need in order to fully understand the details of this proposed project.

We are currently hoping to submit a planning application for the proposed **Tullaghmore** Wind Farm project to Galway County Council in the first quarter of 2022.

We would welcome the opportunity to discuss any aspect of the proposed project with you so please do make contact with the project team using any of the contact details below if there are any areas of the proposed project you wish to discuss further.

Yours Sincerely



Diarmuid Twomey,
EMPower Managing Director

Email :	tullaghmore@emp.group
Website :	www.tullaghmorewindfarm.ie
Phone :	01 588 0178
Write :	EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1.

20/09/2021

RECEIVED: 26/01/2023

Maidir le: Tionscadal Beartaithe Feirm Ghaoithe na Tulai Móire (Leitir Caocháin roimhe seo) ag Doire Beag, An Tamhnach Mhór, An Tulach Mhór, i gContae na Gaillimhe.

A Chónaitheoir, a chara,

Mar is eol duit ó chomhfhreagras roimhe seo, tá EMPower ag fiosrú go gníomhach an fhéidearacht go mbeadh deis forbartha feirme i gceantar Dhoire Beag, An Tamhnach Mhór, An Tulach Mhór i gContae na Gaillimhe. Tá an Limistéar Staidéir don tionscadal beartaithe suite timpeall 9 gciliméadar Siar ó Uachtar Ard agus 6 chiliméadar Soir ó An Teach Dóite.

Tá súil againn go bhfuair tú deis breathnú ar chéad nuachtlitr an tionscadail agus sonraí an tseimineáir ghréasáin a dáileadh siar i mBealtaine 2021.

De réir mar a leanann na staidéir tionscadail ar aghaidh, agus ag glacadh le moltaí ón bpobal áitiúil, is cosúil nach dtugann baile fearainn Leitir Caocháin léiriú sásúil ar an áit a bhfuil an chuid is mó de thionscadail beartaithe an Limistéir Staidéir dírithe anois. Dá bhrí sin, athainmníodh an tionscadal beartaithe mar **An Tulach Mhór**.

Agus muid ag cur tús le céim scrúdaithe an tionscadail le comhairlí reachtúla agus neamhreachtúla mar Páirceanna Náisiúnta agus Fiadhúlra, lascaigh Intíre Éireann, Fáilte Éireann, agus Comhairle Contae na Gaillimhe braithimid go dtugann an t-ainm **An Tulach Mhór** léiriú níos fearr ar Limistéar Staidéir na dtionscadal atá beartaithe. Féadann tú a bheith cinnte go sroichfidh aon chomhfhreagras a sheolfar chugainn amach anseo trí na sonraí teagmhála Leitir Caocháin sinn go fóill.

Tá staidéir chomhshaoil agus innealltóireachta beartaithe na dtionscadal ag leanúint ar aghaidh. Táthar ag breathnú go mion faoi láthair ar roghanna maidir le bealach seachadta beartaithe do chomhphárteanna an tuirbín chomh maith leis na roghanna onnmharúcháin don leictreachas a d'fhéadfadh an tionscadal beartaithe a tháirgeadh.

Tá staidéir chomhshaoil agus éaneolaíochta an tionscadail ag leanúint ar aghaidh freisin. Tá speisialtóirí éiceolaíochta ag caitheamh go leor uaireanta an chloig ag pointí faire ag déanamh staidéir ar speicis a d'fhéadfadh idirghníomhú leis an Limistéar Staidéir. Tá éiceolaíche ag déanamh go leor staidéar allamuigh agus gnáthóige d'fhonn tuiscint níos fearr a fháil ar gheolaíocht agus ar hidreolaíocht an Limistéir Staidéir.

Táimid tiomanta eolas tionscadail a dháileadh amach anseo de réir mar a thiocfaidh an togra dearaidh deiridh i gcrích. Leagfaidh sé seo amach roinnt eolais níos mionsonraithe faoin bpróiseas dearaidh atá á dhéanamh agus fiosróidh sé cuid de na ceisteanna agus fiosrúcháin atá faighte againn go dtí seo. Leanfaimid orainn ag déanamh gach iarracht a chinntiú go gcuirfimid an t-eolas uile a theastaíonn uait ar fáil duit chun sonraí an tionscadail beartaithe seo a thuiscint go hiomlán.

Táimid ag súil faoi láthair iarratas pleanála do thionscadal beartaithe Feirm Ghaoithe na **Tulai Móire** a chur faoi bhráid Chomhairle Contae na Gaillimhe sa chéad ráithe de 2022.

Ba mhaith linn an deis aon ghné den tionscadal beartaithe a phlé leat agus mar sin déan teagmháil le foireann an tionscadail ag baint úsáide as aon cheann de na sonraí teagmhála thíos má tá tú ag iarraidh tuilleadh plé a dhéanamh ar aon réimsí den tionscadal beartaithe.

Mise le meas



Diarmuid Twomey,
Stiúrthóir Bainistíochta EMPower

R-phost:	tullaghmore@emp.group
Láithreán Gréasáin:	www.tullaghmorewindfarm.ie
Fón:	01 588 0178
Scríobh chugainn:	EMPower, 2 Dublin Landings, Cé an Phoirt Thuaidh, An Duga Thuaidh, Baile Átha Cliath 1.

Appendix 4a – 16/10/2021 Community Information Letter, Turbine Delivery Route.

2 Dublin Landings,
North Wall Quay,
North Dock,
Dublin D01 V4A3
16/10/2021

Dear [REDACTED]

My name is Brian, I hope this correspondence finds you well. As communicated through community engagements in the Letterkeeghaun/Tullaghmore area, we, EMPower, are currently assessing the possibility of developing a wind resource in that locality. The proposed project's study area is located approximately 9km West of Oughterard and 6km East of Maam Cross. For further information on this proposed project please visit www.tullaghmorewindfarm.ie

Jennings O'Donovan, an environmental consultancy based in Co. Sligo are currently undertaking an Environmental Impact Assessment (EIA) for this proposed project.

As part of the above-mentioned project's assessment process, we are currently assessing the potential transport options for turbine components from Galway City Port to the project's Study Area. In conjunction with this, your land holding, folio number [REDACTED] at [REDACTED] Co. Galway is located along one such route option. I will be in the general area next week, the 24th and 25th of October, if it suited you to catch up for a chat to discuss the above further. You can contact me on ([REDACTED]) at your convenience

Thank you very much for taking the time to read this correspondence.

Kind Regards,
Brian O'Shea,
EMPower Land Manager,
Tel: ([REDACTED]),
Email: tullaghmorewindfarm@emp.group
Website: www.tullaghmorewindfarm.ie

Appendix 4b - 26/11/2021 Community Information Letter, Turbine Delivery Route.

2 Dublin Landings,
North Wall Quay,
North Dock,
Dublin D01 V4A3
26/11/2021

Dear [REDACTED],

I hope this correspondence finds you well. I was hoping to follow up with you regarding recent correspondence sent on the 16/10/2021.

As communicated through community engagements in the Letterkeeghaun/Tullaghmore area, we, EMPower, are currently assessing the possibility of developing a wind resource in that locality. The proposed project's study area is located approximately 9km West of Oughterard and 6km East of Maam Cross. For further information on this proposed project please visit www.tullaghmorewindfarm.ie

As part of the above-mentioned project's assessment process, we are currently assessing the potential transport options for turbine components from Galway City Port to the project's Study Area. In conjunction with this, your land holdings, folio numbers G [REDACTED] in the townland of Derrayonniff, Co. Galway is located along one such route option.

I will be in the general area again soon and it would be great if we could arrange to meet for a chat to discuss the above further. You can contact me on [REDACTED] at your convenience to discuss further if interested.

Thank you very much for taking the time to read this correspondence.

Kind Regards,
Brian O'Shea,
EMPower Land Manager,
Tel: [REDACTED],
Email: tullaghmorewindfarm@emp.group
Website: www.tullaghmorewindfarm.ie

Appendix 4c - 26/11/2021 Community Information Letter, Grid Route

2 Dublin Landings,
North Wall Quay,
North Dock,
Dublin D01 V4A3
26/11/2021

Dear [REDACTED]

My name is Brian, I hope this correspondence finds you well. As communicated through community engagements in the Letterkeeghaun/Tullaghmore area, we, EMPower, are currently assessing the possibility of developing a wind resource in the locality. The proposed project's study area is located approximately 9km West of Oughterard and 6km East of Maam Cross. For further information on this proposed project please visit www.tullaghmorewindfarm.ie

As part of the above-mentioned project's assessment process, we are currently assessing the potential to connect our potential wind farm project to the existing substation at Screebe.

To date, our assessments have shown that there is potential to carry out this connection by combining a new underground cable, under some road sections, with a new overhead line system along the route of the current ESB line running overhead through your property. Environmental assessment of the habitat and ground conditions on which the current ESB over head line running through your property is situated would be required in order to assess this potential fully.

In conjunction with this, we hope it would be OK to assess your land holding, folio number [REDACTED] at [REDACTED], Co. Galway. This would entail one of our environmental scientists walking along the route of the existing ESB line, which runs through your property, and visually assessing the area.

I will be in the Tullaghmore area again soon and if it suited you to catch up for a chat to discuss the above further it would be great. You can contact me on [REDACTED] at your convenience also if you wish.

Thank you very much for taking the time to read this correspondence.

Kind Regards,
Brian O'Shea,
EMPower Land Manager,
Tel: [REDACTED],
Email: tullaghmorewindfarm@emp.group
Website: www.tullaghmorewindfarm.ie

Appendix 5a – 06/12/2021 Project Information Newsletter

RECEIVED: 26/01/2023

Proposed Tullaghmore Wind Farm Project

Newsletter No. 2 – Winter 2021



Dá mb'fhearr leat an t-eolas seo a fheiceáil i nGaeilge, déan teagmháil linn trí aon cheann de na sonraí teagmhála atá liostaithe anseo agus seolfaimid leagan Gaeilge de Nuachtlitr an tionscadail seo chugat.



Looking north east at the Tullaghmore project Study Area from the N59 near Loughauherin

Introduction

We started our community engagement process for the proposed Tullaghmore Wind Farm project in May 2021 by sharing project proposals with those who live closest to the project's study area. Following this we held an online interactive project webinar, which was advertised in local newspapers and project literature, prior to the start of the detailed design work and environmental assessment phases. This process has highlighted different opinions and generated conversation which has helped to inform this second project Newsletter and the overall project design. The project team have undertaken this to ensure that accurate project information is circulated and that local residents and interested stakeholders have an opportunity to address queries with the project team.

We are committed to continuing our approach of involvement and inclusiveness in our project engagement and we are working hard on innovative solutions which will enable the project team to keep the community updated while adhering to the current Covid-19 restrictions. The project information contained within this newsletter has been prepared to:

- Describe the main project elements;
- Describe some of the technical, design and environmental project assessments & studies underway;
- Present accurate project information and invite feedback from local residents and stakeholders. The project team would encourage and welcome anyone with questions or comments to contact us via any of the contact details on the back page of this newsletter;
- Explore possible collaboration opportunities that the project may present for local communities and initiatives;
- Set out information on the next steps and project timeline



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



Who Are EMPower?

EMPower is an Irish renewable energy developer with over 700 MW in development in Europe and Africa. Our senior management team comprises five Irish professionals with a combined 95 years' experience delivering projects from conception to operation across five continents. EMPower's headquarters is in Dublin.

EMPower is owned by GGE Ireland Limited, Wind Power Invest A/S and EMP Holdings Limited. We commenced project development in Ireland in 2018 following the government's announcement of the Renewable Energy Support Scheme (RESS) and Ireland's revised electricity target of 70% (recently updated to 80%) renewables by 2030.

Our vision is to provide low carbon, ecologically non-invasive, affordable energy to facilitate Ireland's expanding economy and sustainable energy targets.

Our Commitment

Our commitment is to engage meaningfully with our stakeholders on decisions that concern them. We aim to do this in a timely manner, and we commit to building relationships and starting a conversation on what aspects of this proposed renewable energy project could work best for this local area. We feel that designing any proposed project in this manner makes better social and business sense.

Why This Project?

Identifying a project Study Area suitable for a wind farm considers many different inputs. The suitability of the Study Area for this project can be attributed, in part, to the following characteristics:

- The Study Area is not within a Special Area of Conservation (SAC), a Special Protection Area (SPA) nor a Natural Heritage Area (NHA), although some of these areas do exist nearby.
- The Study Area is in an accessible location for connection to the National Electricity Grid via existing electrical substations and transmission lines in the local area.
- Good annual average wind speeds in the Study Area.
- Setback distances from houses can be achieved to align with the latest government guidance. The project team has already committed to a minimum setback of 740 meters between a dwelling and a proposed turbine location.



Looking east at the Tullaghmore project Study Area from Derrybeg

The Project Study Area

The Study Area for the proposed project is located in the townlands of Derrybeg, Tawnaghbeg and Tullaghmore in Co. Galway and consists of approximately 207+ acres owned by local landowners. The Study Area is located approximately 9 kilometers West of Oughterard and 6 kilometers East of Maam Cross. The final footprint of this proposed project will be approximately 22 acres.

The majority of the soils present in the Study Area consist predominantly of shallow bedrock with layers of overlying peat. A full peat stability assessment will be carried out in conjunction with this proposed project and the results will be used to finalise the design layout.

The Project's Study Area is not located within a Natura 2000 site (European Site) or a National Heritage Area (NHA). A number of European designated sites do occur within the wider area surrounding the project's Study Area. Some of these sensitive locations are listed below and all nearby sensitive habitats will be considered in detail for the final project's overall design.

- Lough Corrib Special Protection Area and Special Area of Conservation, approximately 1 kilometre to the north;
- Connemara Bog Complex Special Area of Conservation approximately 1 kilometre to the south;
- Maumturk Mountains Special Area of Conservation to the west.

Grid connection options for the project consist mainly around the Screebe-Knockranny 110kV overhead line circuit which is located approx. 2 kilometres south of the project's Study Area. The closest existing substation to the project's Study Area is Screebe 110 kV substation, located approx. 12 kilometres south. Consultation with Eirgrid will also dictate the eventual connection point chosen for this proposed project.

Galway port provides the most likely port of entry for the project's wind turbine components. From Galway Port there are two options currently being assessed for wind turbine component delivery to the project's Study Area, these are listed below:

- Component Transport Option 1: via Galway Port, the R338, N6 and N59 through Moycullen and Oughterard;
- Component Transport Option two: via Galway Port the R338, N6, R337, R336 and N59 through Spideal, Screebe and Maam Cross.

The final Environment Impact Assessment Report, including all studies and assessments, will be submitted with the project's planning application to Galway County Council. This final report and planning application will also be made available to the public for viewing and comment.

Project Design Process

Similar to any project such as this the design process for the proposed Tullaghmore wind farm starts with a review of existing information to avoid or minimize potential impacts. This includes a design process that limits the angle of slope of the ground where development can occur, including a setback distance from watercourses and residences, as well as setback from any nearby European designated environmentally sensitive habitat sites.

A turbine layout is then progressed to consider design considerations and the separation distance required between the turbines. The location and alignment of the associated project infrastructure, such as access roads and electrical infrastructure is then developed following confirmation of a proposed project layout. The final locations of all proposed project infrastructure is informed by a number of separate design iterations involving rigorous Study Area assessments including:

- Ecological and Aquatic Surveys;
- Ornithological Surveys;
- Geotechnical & Hydrological Ground Studies;
- Shadow Flicker Modelling;
- Noise Modelling;
- Archaeological Surveys;
- Landscape and Visual Assessment;
- Grid & Component Delivery Route assessments.



Also, in order to ensure that the Environmental Impact Assessment process is appropriately carried out, an information document detailing project particulars will be circulated to a list of statutory and non-statutory consultees to ensure that the Environmental Impact Assessment is addressing all relevant topics specific to the local area for this project. The list of consultees can be individual for each project. For the proposed Tullaghmore project this consultee list will include National Parks and Wildlife, Inland Fisheries Ireland, area telecommunication providers, Transport Infrastructure Ireland, Galway County Council, The Irish Aviation Authority and Fáilte Ireland plus many more.

The Proposed Project



- 6 Turbines
- Tip Height 185m
- 37.2 MW
- On-site 38KV Substation
- Access from N59
- Grid Connection options at Screebe
- Clean power for over 21,900 Irish Homes

Why Onshore Wind

Onshore wind energy makes sense for Ireland for many reasons. It's a clean fuel source which does not pollute the air like power plants that rely on combustion of fossil fuels, such as coal or natural gas. Unlike conventional power plants, wind turbines don't produce atmospheric emissions that cause greenhouse gasses when generating electricity and is a free domestic natural resource, produced in abundance in Ireland. As an operating wind farm occupies such a relatively small proportion of an overall site area, approximately a 3% footprint, many other land uses can co-exist such as farming, recreation, commercial forestry, and biodiversity management.

The Government declared in May 2019 that Ireland was in the midst of a climate and biodiversity emergency. The Environmental Protection Agency (EPA) has stated that mean annual temperatures in Ireland have risen by 0.7° Celsius (C) over the past century and are likely to rise by 1.4°C to 1.8°C by the 2050's and by more than 2°C by the end of the century due to climate change.

Climate change refers to the change in climate that is attributable to human activity arising from the release of greenhouse gases in particular from the burning of fossil fuels (coal, oil, gas) for transport, electricity generation and agriculture.

EMPower can aid in the delivery of the Government's Climate Action Plan (June 2019) where a target of 70% of Ireland's electricity from renewable sources by 2030 was targeted. The Irish Government has recently increased this target to 80%. A firm commitment from the Irish Government on Climate Action is forming part of climate change legislation currently being publicised by our policy makers:

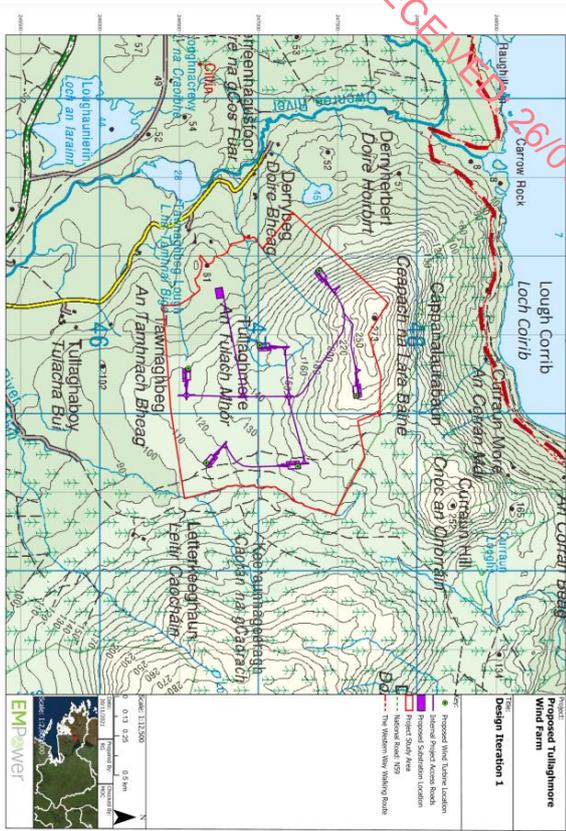
- Halving our greenhouse gas emissions by 2030 and reaching net zero by 2050 at the latest
- Increase renewable electricity - up to 80% by 2030
- Provision for 5 year carbon budgets, consistent with emissions reduction pathway 2050.

Wind energy is currently the largest contributing resource of renewable energy in Ireland. It is both Ireland's largest and cheapest renewable electricity resource. At present the Republic of Ireland has over 300 operational onshore wind farms* with a combined capacity of c.4,300MW and over 2,500 individual wind turbines. This represents an investment of over €7 billion, regularly powering 65% of Ireland's electricity needs. The wind energy industry also supports 5,000 jobs and annually pays more than €45 million in commercial rates to local authorities².

Ireland is a country with enormous renewable energy resources and are world leaders at incorporating onshore wind into the national grid. Renewable energy provided 43% of Ireland's electricity in 2020, with over 38% of this coming from wind energy³. This is the highest share of electricity being provided by onshore wind in Europe. In 2018 wind energy avoided 3.1 million tonnes of CO2 and cut €432 million off our fuel import bill⁴ demonstrating the huge contribution that onshore wind is making to climate action. This accounts for the second largest source of electricity generation in Ireland after natural gas. Ireland remains one of the leading countries in the deployment of wind energy and third place worldwide in 2018, after Denmark and Uruguay.



1 - Based on EirGrid generation reference model
 2 - Economic impact of onshore wind in Ireland - EPAG April 2021
 3 - www.epa.ie/topics/air/quality/air_quality_statistics/energy_electricity/energy_electricity_statistics/energy_electricity_statistics_2020.pdf
 4 - www.iea.ie/energy/electricity/energy_electricity_statistics/energy_electricity_statistics_2018.pdf



Proposed Project Schedule

Proposed Tullaghmore Schedule	2019	2020	2021	2022	2023	2024	2025	2026	2027
Development Studies	Q1-Q4								
Wind Measurement (300 Sites)	Q1-Q4								
Resource Characterisation	Q1-Q4								
Planning Applications & Consultation	Q1-Q4								
Grid Connection Applications	Q1-Q4								
Final Project Design	Q1-Q4								
Construction			Q1-Q4						
Operational						Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4

Note: Q1, Q2, Q3 and Q4 in the above schedule represent yearly quarters. For example, Q2 represent the first quarter of that year.

Community Benefit

If consented the proposed Tullaghmore Wind Farm will require an approximate €39.6 million euro investment and will provide sustainable, low carbon energy generation infrastructure to meet Ireland's growing demand. The development benefits to the local community would include significant investment in local infrastructure and electrical systems, local job creation, and a contribution of approximately €8.6 million¹ in Galway county council rates over the project's lifetime.

If consented the proposed Tullaghmore Wind Farm will also provide a community fund calculated in accordance with the Renewable Electricity Support Scheme (RESS) Terms and Conditions at €2 per Mega Watt hour of electricity produced by the project. This is to be made available to the local community for the duration of the RESS (15 years). The average capacity factor of wind energy projects in Ireland is 28.3% (SEAI, 2019). Assuming this efficiency, and an estimated capacity of around 37.2 Mega Watts, the community benefit fund would amount to an average of €184,444 per annum. The actual fund will vary around this average from year to year, depending on each year's wind conditions. Wind measurements at the Study Area suggest that the proposed Tullaghmore project could be capable of achieving an above average capacity factor, and therefore a larger community fund.

This fund is proposed to be divided as per the illustration below. An annual minimum payment of €1,000 will be provided to each household within 1 kilometer of any proposed Tullaghmore wind turbine. An annual minimum payment of €500 will be provided to each household located between 1 kilometer and 2 kilometers of any final turbine position. These payments will be fixed and will not fluctuate. 40% of the fund, amounting to approximately €73,777 per year in this example, will be allocated to not-for-profit community enterprises, with an emphasis on low-carbon initiatives. The remainder of the fund will be directed towards local clubs, societies and other initiatives. EMPower strongly believe that the communities in which we propose our projects should benefit most from any associated fund. We welcome any suggestions from the community on how this fund could best be allocated or ideas for suitable local projects that could be supported under this initiative.

Tullaghmore Indicative Community Fund Allocation



- 63** Direct jobs in construction phase
- 15** Highly skilled jobs over project lifetime
- € 39.6 million** Investment in Irish infrastructure
- € 2.7 million** Total Community Fund Contribution
- € 8.6 million¹** Approximate County Council Rates Contribution

- Combined Fund for Households <1km distance
- Combined Fund for Households >1km, <2km distance
- Not-for-profit community enterprises
- Fund administration
- Local initiatives, clubs, and societies

1 - Estimated €8,000 per mega watt installed for 10 year project lifespan

Contact Us

We welcome conversation, engagement and interaction with you on any aspect of how we are progressing the Tullaghmore project proposal. If you would like to chat about this proposed project further please contact us via any of the below means.

Website: www.tullaghmorewindfarm.ie
 Email: tullaghmore@emp.group
 Phone: 01 588 0178
 Write: EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1

Project Webinar:

The project team will host a second Tullaghmore project specific live webinar on **Thursday evening the 16th of December 2021 from 7-8pm**. You can register for the event at www.tullaghmorewindfarm.ie/webinar.

This Webinar will detail elements of the project's Design Iteration 1 process discussed in this newsletter. Also, members of the project design team will be available to talk through any aspect of the project proposal which you would like to discuss further.

Dá mb'fhearr leat an t-eolas seo a fheiceáil i nGaeilge, déan teagmháil linn trí aon cheann de na sonraí teagmhála atá liostaithe anseo agus seofraimid leagan Gaeilge de Nuachtlitrín an tionscadail seo chugat.



Appendix 5b – 06/12/2021 Community Letter

EMPOWER
2 Dublin Landings, North Wall Quay
North Dock, Dublin D01 V4A3
E: info@emp.group
T: +353 (0)1 588 0178



06/12/2021

RECEIVED: 26/01/2023

Re: Proposed Tullaghmore Wind Farm in the townlands of Derrybeg, Tawnaghbeg and Tullaghmore in Co. Galway

Dear Resident,

As communicated via previous project correspondence and webinars, We, EMPower, are actively exploring the potential for a wind farm development opportunity in the Tullaghmore area of Co. Galway. The Study Area is located approximately 9 kilometres West of Oughterard and 6 kilometres East of Maam Cross. You will find more information on this proposed project and on EMPower at www.tullaghmorewindfarm.ie.

The project team are now in the project's scoping phase with statutory and non-statutory consultees. This has helped inform the proposed project's first design iteration as detailed in the enclosed project Newsletter. We envisage this being the first of three separate design phases for this project proposal.

The project team will host a second project specific live online webinar on Thursday the 16th of December from 7-8pm.
You can register for this project specific webinar at www.tullaghmorewindfarm.ie.

This Webinar will detail elements of the ongoing project design process. During the webinar, project design team members will also be available to talk through any aspect of the Tullaghmore project proposal which you would like to discuss further.

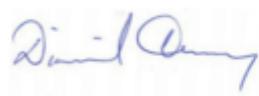
We commit to distributing future project information over the coming months as the final design proposal takes shape and as we approach a project planning submission to Galway County Council. We hope that these project updates, setting out relevant detailed information on the design process undertaken, follows up adequately on some of the questions and queries we have received to date.

We will also initiate an online community consultation room over the coming months. This community consultation room will give you the opportunity to interact with much more project information including the visual representations prepared for the proposed project.

We will continue to make every effort to ensure that we provide you with all the information you need to fully understand the details of this proposed project as it progresses.

We would welcome the opportunity to discuss any aspect of the proposed project with you so please do make contact with the Project Team using any of the contact details below if there are any areas of the proposed project you wish to discuss further.

Yours Sincerely



Diarmuid Twomey,
EMPower Managing Director

Email :	tullaghmore@emp.group
Website :	www.tullaghmorewindfarm.ie
Phone :	01 588 0178
Write :	EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1.

EMPOWER is a registered trading name of EMP Energy Limited, a private limited company registered in Ireland under company number 630312. **Directors:** Diarmuid Anthony Twomey, Ifigo Sabater Elizaguirre, Ingmar Wilhelm, Vimal Vallabh, Seán mac Cann. **Registered office:** 2 Dublin Landings, North Wall Quay, North Dock, Dublin D01 V4A3.

Appendix 5c - 10/12/2021 Webinar Connacht Tribune Advertisement

RECEIVED: 10/10/2023

78 PLANNING, LEGAL & PUBLIC NOTICES

CONNACHT TRIBUNE FRIDAY, DECEMBER 10, 2021

GALWAY COUNTY COUNCIL
Permission is sought to retain...

GALWAY COUNTY COUNCIL
Tramad, Corbenna, Co. Galway...

GALWAY COUNTY COUNCIL
WWE, Biddin Warsa Tech Ltd,...

GALWAY COUNTY COUNCIL
Maureen O'Brien is applying for...

GALWAY COUNTY COUNCIL
Permission sought for (a) Retention...

GALWAY COUNTY COUNCIL
WWE, Biddin Warsa Tech Ltd,...

GALWAY COUNTY COUNCIL
WWE, Biddin Warsa Tech Ltd,...

GALWAY COUNTY COUNCIL
James Walsh is applying for...

Galway County Council
Planning Permission is sought on...

GALWAY COUNTY COUNCIL
Maggie Fahy is applying for...

GALWAY COUNTY COUNCIL
WWE, Biddin Warsa Tech Ltd,...

GALWAY CITY COUNCIL
James Walsh is applying for...

Galway County Council
We are applying for full Planning...

GALWAY COUNTY COUNCIL
Significant Further Information/Revised Plans...

GALWAY COUNTY COUNCIL
Significant Further Information/Revised Plans...

COMHAIRLE CHONTAE NA GAILLIMHE
Tá mair, Síona Ó Mháirín ag...

Galway County Council
Planning Permission is being...

GALWAY CITY COUNCIL
We, Modern Tyres, intend to apply...

GALWAY COUNTY COUNCIL
Significant Further Information/Revised Plans...

GALWAY COUNTY COUNCIL
Planning Permission is being...

EMPower Notice of Public Information Event
For the proposed Tullaghmore Wind Farm project.

COMHAIRLE CHONTAE NA GAILLIMHE
Tá sé i gceist ag Údarás na Gaeltachta...

GALWAY COUNTY COUNCIL
Planning Permission is being...

Appendix 5d – 06/12/2021 Irish Language Newsletter and Community Letter

RECEIVED: 26/01/2023

Tionscadal Mhóla um Fheirm Gaoithe ar an dTulach Mhór

Nuachtlitir Uimh. 2 – Geimhreadh 2021



Dá mb'fhearr leat an t-eolas seo a fheiceáil i mBéarla, déan teagmháil linn trí aon cheann de na sonraí teagmhála atá liostaithe anseo agus seolfaimid leagan Béarla de Nuachtlitir an tionscadail seo chugat.



Ag fáichaint soir ó thuaidh ón N59, gar do Loch an Iarainn, amach ar Limistéar Staidéir thionscadal na Tuláí Móire

Brollach

Chuirfear tús leis an bpróiseas rannpháirteacha pobail don tionscadal mhóla um Fheirm Gaoithe ar an dTulach Mhór i mBealtaine 2021 trí thagraí tionscadail a roinnt leo siúd atá ina gcónaí in aice limistéar staidéir an tionscadail. Ina dhiaidh sin, reachtáilfear seiméar greasáin léigheamhach ar líne, a bhí fágtha i nuachtáin áitiúla agus i líonraí an tionscadail, sular cuirfear tús leis na ceimeanna mionsonraithe deiridh agus measúnaithe comhshaoil. Le linn an phróisis sin, leagadh béim ar thuarimí éagsúla agus cuirfear tús le díospóireacht a bhí de chúidíú dúinn bonn solais a chur faoi dhara Nuachtlitr tionscadail seo agus le dearch foriomlán an tionscadail freisin. Thug foireann an tionscadail faoi seo chun a chinntú go raibítear faisnéis chruinn faoin tionscadal agus go mbíonn deis ag muintir na háite agus gaeilleabhair léasmhara ceisteanna a chur le foireann an tionscadail.

Táimid tionsanta dó go leanfar lenár chur chuige maidir leis an léimhártocht agus leis an uilechumhothacht sa rannpháirteocht tionscadail agus táimid ag obair go dian ar réigiún nuálacha lena gcuirfear foireann an tionscadail ar a gcumas chun an pobal a choinneáil suas le dáta agus díol leis na críosta um Covid-19. Seo a leanas na ceimeanna leis gur uilimhach an fhaisnéis tionscadail atá sa nuachtlitr seo:

- > Cur síos a dhéanamh ar chomhghéara an tionscadail;
- > Cur síos a dhéanamh ar chuid de na measúnuithe agus staidéir tionscadail atá ar bun faoi láthair a ghabhann le cúlraí teicniúla, deiridh agus comhshaoil arson;
- > Faisnéis tionscadail chinn a chur i láthair agus aiceolas a iarraidh ó mhuintir na háite agus ó gheilleabhair arson. Tá fáilte roimh aon duine ar bith a bhfuil ceisteanna nó tuarimí aige teagmháil a dhéanamh linn trí aon bhealach teagmhála de réir na sonraí teagmhála atá ar fáil ar leathanach cúl na nuachtlitr seo;
- > Inúchadh a dhéanamh ar dhéananna comhoibrithe a dhéanadh an tionscadal a chur ar fáil do phobal agus do thionscnaimh sa cheantar áitiúil;
- > Faisnéis a leagadh amach faoi na chead chéimeanna eile agus faoi amháin an tionscadail



Faoin ghaioithe óráil i gceantar sláibhe in Eirinn, Co. Clontarf

Céard is EMPower ann?

Is forbróir fuinnimh in-athnuaite Eireannach é EMPower a bhfuil do dhonn 700 MW den Fuinneamh a Fhorbairt aige san Eorp ag an Afraic. Cúlgear garimthe Eireannacha atá ar an bhfoireann ardánáistíochta againn agus 95 bliain den tairní acu, san iomlán, ar a bhéith ag seachadadh tionscadail ó chéim na conchrepe go dtéim na hollchruinn ar chúig mhór-roinn. Tá ceanncheathru EMPower lonnaithe i mBaile Átha Cliath.

Tá EMPower faoi úinéireacht GGE Ireland Limited, Wind Power Invest A. F. 2 agus EIP Holdings Limited. Chuirfear tús leis an bhforbairt tionscadail in Eirinn in 2018 tar éis fógra an rialtais faoin Scéim Tacaíochta Fuinnimh In-athnuaite (RECS) agus spróc leicreachaís atámhéimthe na hEireann de 70% atá nuashonraithe suas go dtí 80% de déanaí faoi 2030.

Is í an fhís atá againn ná an fuinneamh in-athnuaite seacharabóil, in-athnuaite agus réamhionrach ó thaoibh na hEiceolaíochta a spróidh agus comra a thóid faoi na gnéithe den tionscadal fuinnimh in-athnuaite molta seo a bheadh ní b'oiriúnaí don cheantar áitiúil seo. Sílimid go bhfuil sé níos ciallmhara ó thaoibh cúlraí sóisialta agus gnó arson le deiridh an tionscadail atá beartaithe ar an mbealach seo.

95 bliain

Tairní Chomhcheangailte Fhoireann Bainistíochta EMPower sa bhFuinneamh In-athnuaite

700 MW+

Achmhainneacht Fuinnimh Gaoithe atá á Fhorbairt faoi láthair ag EMPower

5 Mór-Roinn

Tairní Geagrafach Comhcheangailte Fhoireann EMPower sa bhFuinneamh In-athnuaite



Ár dTiomantas

Is é atá geallta againn ná go ndéanfar teagmháil ciallmhar lenár ngeilleabhair ar na cinntí a bhaineann leo. Tá sé mar aidhm againn é seo a dhéanamh gan mhíoll, agus táimid tionsanta cadrinn a spróidh agus comra a thóid faoi na gnéithe den tionscadal fuinnimh in-athnuaite molta seo a bheadh ní b'oiriúnaí don cheantar áitiúil seo. Sílimid go bhfuil sé níos ciallmhara ó thaoibh cúlraí sóisialta agus gnó arson le deiridh an tionscadail atá beartaithe ar an mbealach seo.

Cén Fáth an Tionscadail Seo?

Tá go leor tionchar éagsúil nach móra a bhéith curtha san áireamh chun Limistéar Staidéir tionscadail a bheadh ó'fionch id'fheirm gaoithe a thairní. Is féidir na treithe seo a leanas a lua mar cúiseanna le hoiriúnacht an Limistéir Staidéir don tionscadal, i measc cinn eile:

- > Níl an Limistéar Staidéir suite laistigh de Limistéar faoi Chaomhnú Speisialta (CAC), Limistéar faoi Chosaint Speisialta (CPA) ná Limistéar Oidhreacht Nádurtha (NHA), cé go bhfuil cuid de limistéir dá léithéid lonnaithe in aice láimhe.
- > Tá an Limistéar Staidéir suite in áit líonchana le haghaidh nasc leis an Eangach Leictreachais Náisiúnta trí fhothadúin leictreacha agus línte tairchuir atá ann cheana sa cheantar áitiúil.
- > Meánuisceanna gaoithe mathe bílantúla sa Limistéar Staidéir.
- > Is féidir achair ó thíre a bhaint amach chun teacht dlán leis an tairní ó déanaí an rialtais. Tá foireann an tionscadail tionsanta cheana féin do loimhde achair 7-0 meadar idir teaghais agus sulomh molta tuirbín.



Ag fáichaint soir ar Uimistéar Staidéir thionscadal na Tuláí Móire ó Chóire Beag

Próiseas Dearaidh an Tionscadail

Codúil le haon tionscadal eile den chineál seo, tosáinn an próiseas dearaidh ó'fheirm gaoithe na Tuláí Móire le hainbhreithníú ar fhaisnéis atá ann cheana chun tionchair fhéideartha a sheachaint nó a iodághnú. Ainítear leis sin próiseas dearaidh ina gcuirtear teorainn le nuilinn fána na tairní inár féidir forbairt a dhéanamh, lena n-áirítear schar a chuirsi uisce agus ó' thairní, chomh maith le hachar ó' son láithreán gnáthóige ainmhithe Eorpacha atá logar ó' thaoibh na timpeallachta óe.

Ainín cúlraí leagan amach tuirbín ar aghaidh chun ceisteanna maidir leis an deiridh agus an achar seartha atá rachtach idir na tuirbíní a mhéas. Ainín déantar sulomh agus ainín an bhonneagar tionscadail ghaolmhar, mar shampla bóthra rochtana agus bonneagar leictreacha, a fhorbairt ar éile leagan amach tionscadail atá beartaithe a bheadh seartha. Bíonn roinnt leagacha dearaidh ar leith ina mbíonn measúnuithe docta ar Limistéar Staidéir ag gabháil le gach uile piosa bonneagar tionscadail, lena n-áirítear:

- > Gúirbhéanna Eiceolaíochta agus Uisceacha;
- > Gúirbhéanna Éineolaíochta;
- > Staidéir Thailín Geolaíochta & Hidreolaíochta;
- > An Samhaltú Preab-Scatháin;
- > An Samhaltú Toráin;
- > Gúirbhéanna Ceandálaíochta;
- > Measúnú Tírdheacha agus Ainmric;
- > Measúnuithe um Bealach Seachadtha Eangail & Comhpháirteanna.



Chomh maith leis sin, ó'fhonn a chinntú go ndéantar an próiseas um Measúnú Tionchair Timpeallachta go cúlraítear do'imeáid faisnéise agus sonraithe ann sonraí an tionscadail chug líosta comhairlithe reachtúla agus réamhreachúla chun a chinntú go bhfuil an Measúnú Tionchair Timpeallachta ag tabhairt aghaidh ar gach ábhar ábhartha a bhaineann go sonraí leis an gceantar áitiúil ina bhfuil an tionscadal seo lonnaithe. Is féidir le líosta na gcomhairlithe a bheadh uathúil do gach tionscadal ar leith. Maidir leis an tionscadal atá molta don Tulach Mhór, beidh Páircanna Náisiúnta agus Faidhúra, Iascaigh Idir Eireann, Soláthraithe Tairleachumairde an cheantair, Bonneagar Iompar-Eireann, Comhairle Contae na Gaillimhe, Udarás Eitíochta na hEireann agus Fáite Eire gan schar cúlraí cinn den líosta comhairlithe a lua.

Limistéar an Staidéir Tionscadail

Tá an Limistéar Staidéir don tionscadal molta suite óna bailte fearainn Doire Beag, an Tamhnach Bheag agus an Tulach Mhór i gContae na Gaillimhe agus tá thairt ar 207 acra den limistéar atá faoi úinéireacht úinéirí talún áitiúla. Tá an Limistéar Staidéir suite timpeall 9 chiliméadar ó'ar ó Uachtair Árd, agus ó chiliméadar soir ón Teach Dóite. Beidh gar deiridh an tionscadail molta seo thairt ar 22 acra mar achar.

Is éard atá i bhforbairt na n-áite seo atá sa Limistéar Staidéir ná an bhuncharraig éadomhain le sráitheanna de mhóin ós a chionn, den chuid is mó. Déanfar measúnú iomlán ar an gcomhairle móin i dteannta leis an tionscadal molta seo agus úsáidfead na torthaí don measúnú sin chun leagan amach deiridh a thabhairt chun críche.

Níl Limistéar Staidéir an Tionscadail suite laistigh de láithreán Natura 2000 (Láithreán Eorpach) nó i Limistéar Oidhreacht Náisiúnta (NHA) ach oiread. Tá roinnt láithreán Eorpacha ainmhithe atá suite sa limistéar níos léibhe timpeall ar Limistéar Staidéir an tionscadail. Tá cuid de na suimhanna logaire seo liostaithe thíos agus déanfar gach gnáthóg logair in aice láimhe a mhéas go mion le haghaidh deiridh foriomlán an tionscadail deiridh.

- > Limistéar faoi Chosaint Speisialta Loch Corrib agus Limistéar faoi Chaomhnú Speisialta Loch Corrib, timpeall 1 chiliméadar ó thuaidh uaidh;
- > Colmpleáit Limistéar faoi Chaomhnú Speisialta Phortach Chonamara, timpeall 1 chiliméadar ó dheas uaidh;
- > Limistéar faoi Chaomhnú Speisialta Sléibhe Mhám Toirc san Iarthar.

Tá na roghanna nasc eangail don tionscadal, den chuid is mó, suite timpeall ar chiorcad líne lasairde 110kV an Scriob-Chnoc Rathnín atá suite timpeall 2 chiliméadar ó dheas ó Limistéar Staidéir an tionscadail. Is é an fothadúin líne gaire atá ann cheana féin do Limistéar Staidéir an tionscadail na fothadúin na Corbe, 110 kV, atá suite timpeall 12 chiliméadar ó dheas uaidh. Cuirfear leis an gcomhairliúchán a dhéanfar le hEiridh an pointe ceangail deiridh a roghnú don tionscadal beartaithe seo.

Is é calafort na Gaillimhe an calafort lontrála is dóchúil chun comhpháirteanna tuirbíní gaoithe an tionscadail a thabhairt idir. Ó Chalafort na Gaillimhe tá dhá rogha a meas faoi láthair maidir le seachadadh na gcomhpháirteanna tuirbíní gaoithe chug Limistéar Staidéir an tionscadail, agus seo iad liostaithe thíos:

- > Rogha Iompair Comhpháirteanna 1: trí Chalafort na Gaillimhe, an R338, nó agus N59 trí Mhainn Cullinn agus Uachtair Árd;
- > Rogha a D'iompair Comhpháirte: trí Chalafort na Gaillimhe an R338, N6, R337, R336 agus N59 tríd an Spóilán, an Scriob agus an Teach Dóite.

Cuirfear an Tuarscáil deiridh ar an Measúnú Tionchair Timpeallachta, agus gach staidéar agus measúnú áirithe leis, ioteach in éineacht le hiarrafas pléanála an tionscadail faoi bhraic Chomhairle Contae na Gaillimhe. Cuirfear an tuarscáil deiridh agus an-iarrafas pléanála seo ar fáil don phobal chun breathnú orthu agus chun trécht a dhéanamh orthu.

An Tionscadal Mhóla



- > 6 Tuirbín
- > Airde an Bhairr 185m
- > 37.2 MW
- > Fostáisiún ar an láthair 38KV
- > Rochtain ón N59
- > Roghanna Ceangal Eangail ag an Scriob
- > Cumhacht ghlan le haghaidh breis is 21,900 teach in Eirinn

06/12/2021

Maidir le: Feirm Ghaoithe na Tuláí Móire atá Molta do na bailte fearainn Doire Beag, an Tamhnach Bheag agus an Tulach Mhór i gContae na Gaillimhe

A Chónaitheora, a chara,

Mar atá curtha in iúl duit roimhe seo i gchomhfhreagras tionscadail agus seimineáir ghréasáin roimhe seo, táimid in EMPower ag déanamh iniúchadh go gníomhach ar an bhféidearthacht go bhfuil deis ann feirm ghaoithe a fhorbairt i gceantar na Tuláí Móire i gContae na Gaillimhe.

Tá an Limistéar Staidéir suite timpeall 9 gciliméadar siar ó Uachtar Ard agus 6 chiliméadar soir ón Teach Dóite. Is féidir níos mó faisnéise faoin tionscadal molta seo agus faoi EMPower ag www.tullaghmorwindfarm.ie.

Tá an tionscadal anois ag an gcéim scoípe agus tá an fhoireann ag tabhairt faoi sin le comhairlíthe reachtúla agus neamhreachtúla araon. Bhí sé seo de chuidiú chun bonn eolais a chur faoin gcéad leagan dearaidh den tionscadal molta faoi mar a bhfuil cur síos déanta air i Nuachtlitr an tionscadail, faoi iamh. Tá sé ar intinn againn gurbh é seo an chéad cheann de thrí chéim dhearaidh ar leith don togra tionscadail seo.

Reachtáilfaidh foireann an tionscadail an dara seimineár gréasáin beo ar líne tionscadal-sonrach, Déardaoin, an 16 Nollaig ó 7-8in
Is féidir clárú don seimineár gréasáin tionscadal-sonrach seo ag www.tullaghmorwindfarm.ie.

Sa Seimineár Gréasáin seo, sonrófar gnéithe den phróiseas leanúnach dearaidh tionscadail. Le linn an tseimineáir ghréasáin, beidh baill foirme dearaidh tionscadail ar fáil freisin chun labhairt faoi aon ghné de thogra tionscadail na Tuláí Móire ar mhaith leat é a phlé tuilleadh.

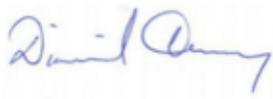
Táimid tiomanta faisnéis tionscadail a scaoileadh sna míonna beaga amach romhainn de réir mar thagann cruth ar an togra dearaidh críochnúil agus de réir mar thugtar aighneacht phleanála an tionscadail ar aghaidh chun críche le bheith curtha faoi bhráid Chomhairle Contae na Gaillimhe. Tá súil againn go bhfuil dóthain leanúnachas i gceist leis na nuashonruithe tionscadail seo, ina leagtar amach faisnéis mhionsonraithe ábhartha ar an bpróiseas dearaidh atá déanta go dtí seo, i ndiaidh cuid de na ceisteanna agus fiosruithe atá faighte againn go dtí seo.

Cuirfidimid tús freisin le seomra comhairliúcháin pobail ar líne sna míonna beaga amach anseo. Leis an seomra comhairliúcháin pobail seo, tabharfar deis duit teacht a fháil ar i bhfad níos mó faisnéise tionscadail lena n-áirítear na hamharcléirithe a ullmháidh don tionscadal molta.

Leanfaimid orainn ag déanamh gach iarracht a chinntiú go gcuirfidimid an fhaisnéis uile a theastaíonn uait ar fáil duit chun sonraí an tionscadail molta seo a thuiscint go huile is go hiomlán de réir is a leanann sé ar aghaidh.

Ba mhaith linn an deis a thapú aon ghné den tionscadal molta a phlé leat agus mar sin ná bí drogall ort teagmháil a dhéanamh Foireann an Tionscadail trí aon cheann de na bealaí teagmhála sonraithe ag seo thíos má tá tú ag iarraidh tuilleadh plé a dhéanamh ar aon ghné den tionscadal molta.

Is mise, le meas,



Diarmuid Twomey,
Stiúrthóir Bainistíochta EMPower

Ríomhphost : tullaghmor@emp.group
Láithreán: www.tullaghmorwindfarm.ie
Fón: 01 588 0178
Scríbhinn: EMPower, 2 Dublin Landings, Cé an Phoirt Thuaidh, An Duga Thuaidh, Baile Átha Cliath 1

Appendix 5e – 16-12-2021 Design Webinar

Proposed Tullaghmore Wind Farm Project

Public Consultation Webinar No. 2
Thursday December 16th 2021

A recording of this Webinar will be made available on www.tullaghmorewindfarm.ie for those who are unable to attend this evening.

We will begin momentarily, just allowing people a few extra minutes to dial in....

EMPower

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 Global Experience of EMPower Team in Renewable Energy

3

Proposed Tullaghmore Wind Farm Project

EMPower

- Company Introduction
- Ireland's Energy Targets
- Proposed Project Introduction
- Study Area Screening
- Project Design Iteration 1
- Question Time
- Environment Impact Assessments
- Question Time
- Conclusion

2

Energy Targets in Ireland

EMPower

Key Metrics	2017	2025 Based on MACC	2030 Based on MACC
Share of Renewable Electricity, %	-30% ²⁰	52%	80%
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

80% Renewable Electricity by 2030

8.2 GigaWatts Onshore wind by 2030

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

Proposed Project Introduction

EMPower

Proposed Tullaghmore Wind Farm Project
Tawnaghbeg, Tullaghmore, Derrybeg in Co. Galway

- Proposal for 6 Turbines
- Approx. 37.2 Mega Watts
- Max Blade Tip height of 185m
- 1 Project Met Mast
- 1 Project Substation
- Enough electricity to power over 21,900 Irish homes
- €39.6 million investment
- Estimated community benefit fund of €184,444 per annum¹

¹Assumes an average capacity factor of 28.3% (2016, 2019) and a project capacity of c.17.2 MW

JENNINGS O'DONOVAN CONSULTING ENGINEERS

5

Study Area Screening

EMPower

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

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

Study Area 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
- Existing Dwellings

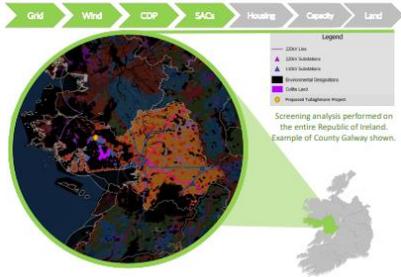
Study Area Screening

EMPower

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

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

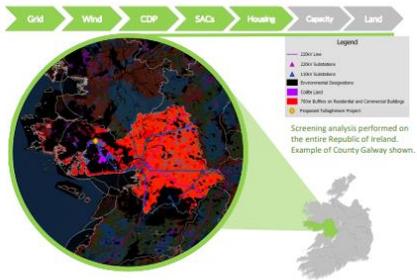
Study Area Screening



Study Area Screening



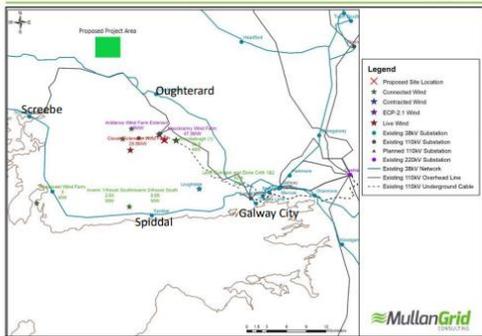
Study Area Screening



Project - Design Iteration 1



Project - Grid Connection Assessment



13

Community Benefits



15

Project - Turbine Delivery Route Assessment

Northern Route Option



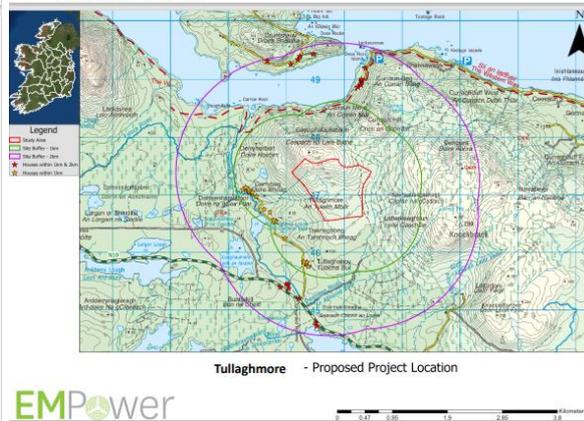
- Galway Port
- R338
- N6
- N59 through Moyculen and Oughterard.

Southern Route Option



- Galway Port
- R338
- N6
- R337
- R336
- N59 through Spiddal, Screebe and Maam Cross

14



Project Schedule

Planning Submission to Galway County Council	Q1 - 2022
Grid Connection Submission	Q1 - 2023
Detailed Project Design	Q4 - 2024
Construction Commences	Q1 - 2025

Proposed Full-time Schedule	2022	2023	2024	2025	2026	2027
Ornithology Studies	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4
Wild Measurements (1000 Meters)	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4
Soilwater Construction	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4
Planning Submission & Consideration	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4
EMF Connection Application	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4
Grid Connection Design	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4
Project Construction	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4
Project Operational	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4	Q1-Q4

Environmental Impact Assessment

Social Impact



Flora & Fauna

Question Time



Environmental Impact Assessment

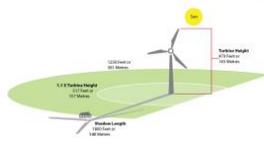
Hydrology



Ornithology

Environmental Impact Assessment

Shadow Flicker



Sound

Virtual Community Consultation Room



Environmental Impact Assessment

Construction and Civil Engineering



Archaeology

Question Time



Conclusion

> Proposed Tullaghmore Wind Farm Project

- > Proposal for 6 Turbines
- > 37.2 MW
- > 21,900 Irish homes powered

> Community Fund

- > €184,444 per year
- > Min €1,000 per year (households <1km)
- > Min €500 per year (households >1km <2km)

> Next Steps

- > Design Iteration 2 and Final Design Progressed
- > Study Area Habitat Studies Continue
- > Turbine Component Delivery Route Assessment Finalised
- > Grid Connection Methodology Finalised
- > Submission of Planning application to Galway County Council in Q1 2022
- > Community Engagement Continues



Please contact us at any stage if you have any further question or suggestions on this project proposal.

Address : EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1

Email : tullaghmore@emp.group or info@emp.group

Phone : 01 588 0178

Project website www.tullaghmorewindfarm.ie

Appendix 6a – 14/03/2022 Project Information Newsletter

RECEIVED: 26/03/2023

Proposed Tullaghmore Wind Farm Project

Newsletter No. 3 – March 2022



Dá mb'fhearr leat an t-eolas seo a fheiceáil i nGaeilge, déan teagmháil linn trí aon cheann de na sonraí teagmhála atá liostaithe anseo agus seofaimid leagan Gaeilge de Nuachtlitr an tionscadail seo chugat.



Looking north west from an elevated position in the Tullaghmore project Study Area

Introduction

This is the third Newsletter distributed for the proposed Tullaghmore wind farm project. The proposed project is now at a stage where all the environmental assessment survey data has been gathered and collated in order to inform the final proposed project layout. This Newsletter sets out an overview of the proposed project at the Design Iteration Two stage.

To supplement the detail in this Newsletter we have also put together an online virtual tour of the project with added detail on topics such as landscape and visuals, transport and delivery routes and maps with added functionality. This can be accessed from the home page of the project website (www.tullaghmorewindfarm.ie).

The project team will also facilitate a project information event in the Peacocks Hotel at Maam Cross on the 31/03/2022 where you can drop in anytime between 4pm and 7.30pm to discuss the proposed Tullaghmore wind farm project with members of the design team and view the most up to date project information.

Once you have had a chance to read through this brochure and should you have any areas of the project you wish to discuss further, please contact the project team using the contact details on the back page of this Newsletter or on the project website (www.tullaghmorewindfarm.ie).

How the Final Project Proposal Is Formulated

Wind farm design is governed by a series of legislative guidelines around set back distances, noise, visual and environmental constraints amongst others. Any proposed project which does not carry out its design by adhering to this legislation is unlikely to be granted a planning permission by the consenting authority.

The proposed Tullaghmore wind farm project has been designed with the most up to date iteration of the guidelines for wind energy development in mind. This best in class, conservative approach seeks to future proof the proposed project for any new guidelines which may issue and ensures that the most suitable project design is selected and put forward for consideration in a planning submission.

The project's constraints mapping is continuously updated throughout the development's design process based on the findings of each of the site investigations and assessments as they are completed. Some of the areas of this project's design process where we have had the most conversations with interested stakeholders and residents local to the proposed project's Study Area is discussed in this Newsletter.

Who Are EMPower?

EMPower is an Irish renewable energy developer with over 700 MW in development in Europe and Africa. Our senior management team comprises five Irish professionals with a combined 95 years' experience delivering projects from conception to operation across five continents. EMPower's headquarters is in Dublin.

EMPower is owned by GGE Ireland Limited, Wind Power Invest A/S and EMP Holdings Limited.

Our vision is to provide low carbon, ecologically non-invasive, affordable energy to facilitate Ireland's expanding economy and sustainable energy targets.

- 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

Our Commitment

Our commitment is to engage meaningfully with our stakeholders on decisions that concern them. We aim to do this in a timely manner, and we commit to building relationships and starting a conversation on what aspects of this proposed renewable energy project could work best for this local area. We feel that designing any proposed project in this manner makes better social and business sense.



Noise And Vibration

Noise is generated by wind turbines as they rotate to generate power. This only occurs above the 'cut-in' wind speed and below the 'cut-out' wind speed. Below the cut-in wind speed there is insufficient strength in the wind to rotate the blades and above the 'cut-out' wind speed the turbine is automatically shut down to prevent any malfunctions from occurring.

The 'cut-in' wind speed at the turbine hub-height is approximately 3 meters per second (11 kilometres per hour) and the 'cut-out' wind speed is approximately 25 meters per second (90 kilometres per hour).

The principal sources of noise are from the blades rotating in the air (aerodynamic noise) and from internal machinery, normally the gearbox and, to a lesser extent, the generator (mechanical noise). The blades are carefully designed with a view to minimising noise whilst optimising power transfer from the wind.

If this project is consented vibration can be generated by construction activities such as rock breaking and passing heavy goods vehicles. Construction noise will occur during excavation and earth moving, laying of roads and hard standings, transportation of materials and erection of the wind turbines. The construction phase will be phased and temporary. A full project life cycle noise and vibration project assessment will be included as part of the planning submission.

Noise and vibration assessments are undertaken for the operational, the construction and decommission phases of the proposed development.

Baseline noise monitoring was undertaken at different receptor locations surrounding the Tullaghmore wind farm's Study Area to establish the existing background noise levels in the vicinity of the proposed development.

These measurement locations were chosen as they represent some of the closest locations to the proposed project as well as representing different noise environments in the vicinity of the Study Area.



Photograph of typical Sound Level Meter

To inform the noise impact assessment, baseline noise monitoring of the existing noise environment for this proposed project was carried out over a four-week period in 2021. This process establishes the existing noise levels prior to any potential development. Appropriate noise level limits are then determined in line with the latest Government policy and guidance.

The noise limits seek to strike a balance between the noise restrictions placed on a wind farm, the protection of local amenity and the national and global benefits of renewable energy development. The predicted noise emissions from the wind farm are then compared against these limits. The wind farm will be designed and operated in a manner that ensures the prescribed limits won't be exceeded and will also be further validated with post construction noise monitoring surveys if the project is consented.

Land Soils And Geology

The geology of the projects Study Area consists predominantly of bog, with areas of otherwise upland pastures and mountain heath. Detailed investigations including site walkovers, peat stability assessments, trial pit excavations and bore holes were undertaken to access the geology of the Study Area. The soils and subsoils are generally found to be peat with otherwise till and podzols present. The geology is predominantly seen to be of an igneous (granite) formation with minor quartzite present.

If this project is consented, construction of the wind farm infrastructure will require the removal of subsoils and possibly rock to create solid foundations. Excavation of any bedrock and suitable off-site aggregate sources will provide appropriate construction material for access roads, turbine bases and general hard-standing foundations. Removal and reuse of subsoils and bedrock does not represent a significant impact on the geology of the Study Area. No significant impacts or cumulative impacts on the soil and geological environment are anticipated as a result of the proposed wind farm and its associated grid connection.

Biodiversity

In addition to desktop studies and assessments carried out as part of the project's Environmental Impact Assessment Report, extensive field surveys have also been carried out over several years. These surveys catalogued the different habitats, mammals, bats, birds as well as aquatic ecology throughout the project's Study Area and associated proposed grid connection and turbine delivery routes. The potential for adverse effects upon the local flora and fauna in these areas will be ascertained and documented.

The project's Study Area is not located within any European Designated sites. Some of the more sensitive Habitats located nearby are the Lough Corrib and Connemara Bog Complex special protection and conservation areas as well as the Maumturk Mountains Special Area of Conservation.



The proposed projects Study Area encompasses a mixture of habitat types with much of the lower to mid slopes of the project's Study Area characterised by peatland habitats as well as wet heath, dry heath, siliceous rock and a mosaic of the above habitats in places. Grazing by sheep is widespread with grazing intensity varying within the overall Study Area.

Bird species found in the wider environs of the project's Study Area are typical of open bog habitat and conifer plantation including species such as cormorant, mallard, common gull, hen harrier, herring gull, merlin, snipe and kestrel. These species would also be some of the qualifying interests of the nearby Special Protection Areas.



Looking east at the Tullaghmore project Study Area from Derrybeg

Hydrology And Hydrogeology

The proposed Tullaghmore wind farm is located within the Corrib Catchment in Hydrometric Area 30, of the Irish River Network System and within Sub Catchment Joyce's 10 as defined by the Water Framework Directive. The Owenree river is the major surface water feature identified in close proximity to the proposed project and it flows to the southwest. Latest EPA monitoring Status for the Owenree river was 'Good' (2018).

Multiple smaller rivers and streams are located across the proposed project's Study Area all of which are ultimately hydraulically connected to Lough Corrib. There are numerous man and natural drains located within the Study Area. There are no lakes or wetlands located within the project boundary with the nearest being a small unnamed lake located 450m west of the project boundary in the townland of Derrybeg.

The proposed project is not situated within any environmentally designated areas nor within any groundwater source protection area. Groundwater within the proposed development boundary can be classified as being of high to moderate sensitivity due to the presence of rock or karst at or near the surface in some locations. The nearest mapped groundwater well is approximately 10 kilometers southeast of the Project's Study Area. Drainage management will be employed to control drainage water during any proposed construction, ensuring that surface runoff from any developed areas of the proposed project will continue to be of good quality with no flood risk to the downgradient setting. A surface water monitoring programme will be put in place during the construction phase of this project if it is granted planning permission. Based on the proposed mitigation measures, there is no potential for significant impacts on the hydrology and groundwater as a result of the proposed Tullaghmore wind farm project.

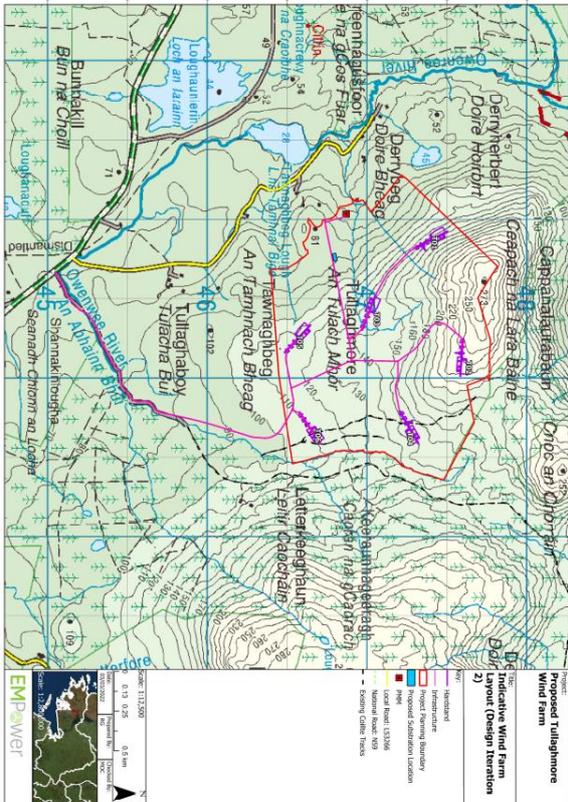
Population And Human Health

The project assessments examine the potential impacts of this proposed project, (both beneficial and adverse) and also any potential wellbeing and nuisance effects which could be experienced by the local and regional community. The results of this assessment will be documented as part of the Environmental Impact Assessment Report which will accompany the planning submission. The key issues which will be examined include:

- Population Trends;
- Socio-Economics, Employment and Economic Activity;
- Existing Land Use;
- Recreation, Amenity and Tourism;
- Human Health and Safety;
- Renewable, Non-Renewable Resources and Utilities Infrastructure;
- Dust emissions from construction activities;
- Noise emissions during construction activities and operation;
- Public safety;
- Visual impacts during operation;
- Shadow flicker during operation;
- Traffic nuisance during construction;
- Tourism and recreational impacts.



Looking northeast at the Tullaghmore project Study Area from near Lorgan Lough

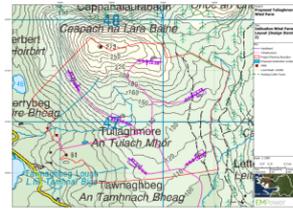


The Proposed Project – Design Iteration 2

The December 2021 project Newsletter and online webinar detailed the first Design Iteration for this proposed project. That layout has been further refined by the design team and this Newsletter presents the project's Design Iteration two. This project layout will be refined further before a final design is submitted to the consenting authority in the form of a planning application.

The proposed Tullaghmore project is currently seeking a Planning Permission for the construction of 6 wind turbines, a permanent meteorological mast, an on-site 38kV substation and all ancillary works. At this Design Iteration 2 phase the proposed project comprises of the following main components:

- Erection of 6 no. 6.2 Mega Watt wind turbines with an overall ground to blade tip height of 185m and a hub height of 104m;
- Construction of project access roads, crane hardstand areas and turbine foundations;
- Improvement of existing project entrance with access onto the N59;
- Construction of one no. temporary construction compound with associated temporary site offices, parking areas and security fencing;
- Installation of 1 no. permanent meteorological mast;
- Construction of new internal access tracks/roads and upgrade of existing tracks to include passing bays and all associated drainage;
- Development of a project drainage network;
- Construction of one no. permanent 38kV substation;
- All associated underground electrical and communications cabling connecting the wind turbines to the wind farm substation;
- Connection of the wind farm to the national electricity grid, which will be via 38kV underground cable connection approximately 18km in length to the existing ESB Scribee 110 kV Substation;
- A 10-year planning permission and 35-year operational life from the date of commissioning of the entire wind farm is being considered.



- 6 Wind Turbines
- Tip Height 185m, Hub Height 104m
- 37.2 MW
- On-site 38kV Substation
- Access from N59
- Grid Connection options at Scribee
- Clean power for over 21,900 Irish Homes

The layout of the proposed project is being designed to minimise the potential environmental effects of the wind farm while utilising the maximum energy yield from the locations wind resource. The layout design was informed by adhering where possible to the following constraints and buffers:

- distance to watercourses of at least 50 metres;
- distance to land drains of at least 20 metres;
- distance to archaeological monuments and structures of at least 100 metres;
- distance from turbines to inhabited houses of at least 740 metres;
- avoidance of ground slopes of greater than approximately 10 - 14%;
- avoidance of existing telecommunications infrastructure;
- Existing overhead powerlines south of the project's Study Area where a 500 metre buffer is applied;
- avoidance of extremely sensitive habitats e.g. blanket bog.

Proposed Project Schedule

Proposed Tullaghmore Schedule	2019		2020		2021		2022		2023		2024		2025		2026		2027	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Construction (Overall)	[Gantt chart showing construction phases from 2019 Q1 to 2027 Q2]																	
Construction Completion	[Gantt chart showing completion milestones]																	
Construction Applications	[Gantt chart showing application periods]																	
Construction Design	[Gantt chart showing design phases]																	
Construction	[Gantt chart showing construction activities]																	
Construction Completion	[Gantt chart showing final completion]																	

Note: Q1, Q2, Q3 and Q4 in the above schedule represent yearly quarters. For example, Q1 represents the first quarter of that year.

Community Benefit

If consented the proposed Tullaghmore Wind Farm will require an approximate €39.6 million euro investment and will provide sustainable, low carbon energy generation infrastructure to meet Ireland's growing demand. The development benefits to the local community would include significant investment in local infrastructure and electrical systems, local job creation, and a contribution of approximately €10.4 million¹ in Galway County Council rates over the project's lifetime.

If consented the Tullaghmore wind farm will also provide a community fund calculated in accordance with the Renewable Electricity Support Scheme (RESS) Terms and Conditions at €2 per Mega Watt hour of electricity produced by the project. This is to be made available to the local community for the duration of the RESS (15 years). The average capacity factor of wind energy projects in Ireland is 28.3% (SEAI, 2019). Assuming this efficiency, and an estimated project capacity of 37.2 Mega Watts, the community benefit fund would amount to an average of €184,444 per annum. The actual fund will vary around this average from year to year, depending on each year's wind conditions. Wind measurements at the Study Area suggest that the proposed Tullaghmore project could be capable of achieving an above average capacity factor.

This fund is proposed to be divided as per the illustration below. An annual minimum payment of €1,000 will be provided to each household within 1 kilometer of any proposed Tullaghmore wind turbine. An annual minimum payment of €500 will be provided to each household located between 1 kilometer and 2 kilometers of any final turbine position. These payments will be fixed and will not fluctuate. 40% of the fund, amounting to approximately €73,777 per year, will be allocated to not-for-profit community enterprises, with an emphasis on low-carbon initiatives. The remainder of the fund will be directed towards local clubs, societies and other initiatives.

EMPower strongly believe that the communities in which we propose our projects should benefit most from any associated fund. We welcome any suggestions from the community on how this fund could best be allocated or ideas for suitable local projects that could be supported under this initiative.

Tullaghmore Indicative Community Fund Allocation



- 63** Direct jobs in construction phase
- 15** Highly skilled jobs over project lifetime
- € 39.6 million** Investment in Irish infrastructure
- € 2.7 million** Total Community Fund Contribution
- € 10.4 million¹** Approximate County Council Rates Contribution

- Combined Fund for Households <1km distance
- Combined Fund for Households >1km, <2km distance
- Not-for-profit community enterprises
- Fund administration
- Local initiatives, clubs and societies

¹ - Estimated €0,000 per mega watt installed for 15 year project lifetime

Landscape And Visual Assessment

The assessment of the Landscape and Visual elements of this proposed project assesses the different effects of the project on the landscape as a resource and also on the fabric and character of the existing landscape. Assessment of visual effects relate to the change in views and visual amenity experienced by groups of people. A Landscape Character Assessment is incorporated in the Galway County Development Plan and the project's Visual Impact Assessment will also consider nearby designated scenic views and routes, as well as relevant amenity/recreational routes (e.g. the Wild Atlantic Way).

In addition to the Galway County Development Plan, the Landscape and Visual Assessment will also consider the project in the context of the Wind Energy Development Guidelines. The project area is contained within a landscape type that is most consistent with the 'Mountain Moorland' landscape with the wider Study Area having elements of the 'Hilly and Flat Farmland' and 'Transitional Marginal Landscape'. In accordance with the above mentioned guidelines, the appropriate wider Study Area for this proposed project is 20 kilometres. Relevant viewpoints for the visual impact assessment are selected from the following categories around the proposed project's Study Area out to a distance of 20 kilometres:

- Designated Scenic Views;
- Local Community Views;
- Centres of Population;
- Major Routes;
- Tourism, Heritage and Recreation Features.

The view points are selected using a "Zone of Theoretical Visibility" (ZTV) process which identifies areas of the surrounding landscape where there is potential the proposed project will be visible from if built. The ZTV assessment assumes that there are no features such as trees, hedges, buildings etc in the existing landscape in order to assume the fullest views from each viewpoint is possible. Fieldwork is then undertaken to photograph the existing landscape from the selected viewpoints. Afterwards the project, as it would look if constructed, is superimposed onto the fieldwork photography to represent the actual view.

Zone Of Theoretical Visibility (ZTV) Map

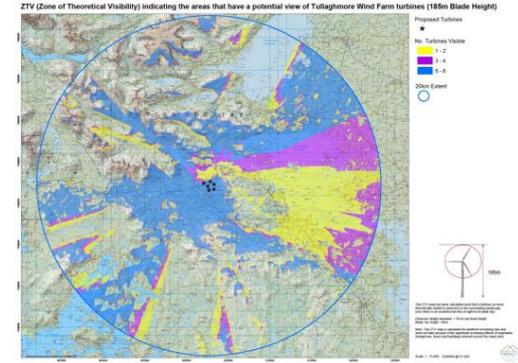
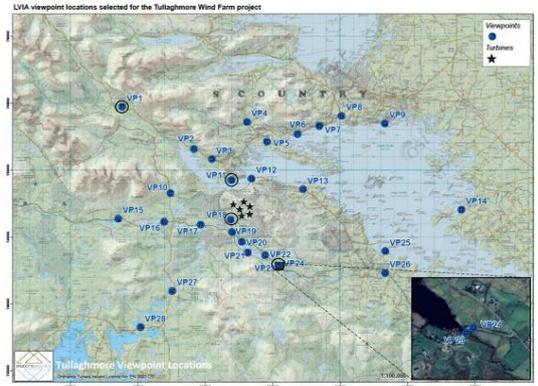


Photo Montage Illustrating Final Design

The process of creating photo montages, identifies the visual impact of this proposed project by simulating the proposed operational turbines in situ. For the proposed Tullaghmore project we have selected 28 view point locations surrounding the proposed project's Study Area.

These illustrations are used to inform the final design and turbine selection. All 28 view points are highlighted in the below illustration with the six proposed turbine positions identified in the centre.

All view points will be made available on our dedicated Community Consultation Room for members of the public to view in full. For the purposes of this Newsletter view point 1, view point 11, view point 18 and view point 23 are shown further down and also circled in the Tullaghmore Viewpoint Locations Map for information.



View Point 1

The representation below from view point 1 of the proposed design looks south east, from the R336 Maam to Leenaun road, at the proposed turbines as they would sit in the landscape.



View Point 11

The representation below from view point 11 of the proposed design looking south at the proposed turbines will be visible from the Droim Snáimha general area.



View Point 18

The representation below from view point 18 of the proposed design looks north east, from the L53266 Derrybeg road, at the proposed turbines as they would sit in the landscape.



View Point 23

The representation below from view point 23 of the proposed design looks north west at the proposed turbines as they would sit in the landscape from the L5328 Leam road, Quiet Man Bridge.



RECEIVED: 26/10/2023

We welcome conversation, engagement and interaction with you on any aspect of how we are progressing the Tullaghmore project proposal. If you would like to chat about this proposed project further please contact us via any of the below means or attend the public information evening also detailed below.

Website : www.tullaghmorewindfarm.ie
 Email : tullaghmore@emp_group
 Phone : 01 588 0178
 Write : EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1

Tullaghmore Project Consultation Event:

The project team will facilitate a project information evening in the **Peacocks Hotel at Maam Cross on the 31/03/2022 where you can drop in anytime between 4pm and 7.30pm** to discuss the proposed Tullaghmore wind farm project with members of the design team and view the most up to date project information.



Dá mb'fhearr leat an t-eolas seo a fheiceáil i nGaeilge, déan teagmháil linn trí aon cheann de na sonraí teagmhála atá liostaithe anseo agus seofaimid leagan Gaeilge de Nuachtlitr an tionscadail seo chugat.

Appendix 6b – 14/03/2022 Community Information Letter

RECEIVED: 26/01/2023

EMPOWER
2 Dublin Landings, North Wall Quay
North Dock, Dublin D01 V4A3
E: info@emp.group
T: +353 (0)1 588 0178



14/03/2022

Re: Proposed Tullaghmore Wind Farm in the townlands of Derrybeg, Tawnaghbeg and Tullaghmore in Co. Galway

Dear Resident,

As communicated via previous project correspondence and webinars, We, EMPower, are actively exploring the potential for a wind farm development opportunity in the Tullaghmore area of Co. Galway. The Study Area is located approximately 9 kilometres West of Oughterard and 6 kilometres East of Maam Cross. You will find more information on this proposed project and on EMPower at www.tullaghmorewindfarm.ie.

The proposed project is now at a stage where all the environmental assessment survey data has been gathered and collated in order to inform the final proposed project layout. The enclosed Newsletter sets out an overview of the proposed project at the Design Iteration Two stage.

The project team will facilitate a project information evening in the Peacocks Hotel at Maam Cross on the 31/03/2022 where you can drop in anytime between 4pm and 7.30pm to discuss the proposed Tullaghmore wind farm project with members of the design team and view the most up to date project design information.

We have also initiated an online community consultation room for the proposed Tullaghmore wind farm project. This community consultation room gives you the opportunity to interact with much more project information including the visual representations prepared for the proposed project. You can access this online Community Consultation Room from the project's website www.tullaghmorewindfarm.ie

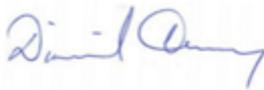
We hope that these project updates, setting out relevant detailed information on the design process undertaken, follows up adequately on some of the questions and queries we have received to date. Over the coming weeks, as the final design proposal takes shape, we will submit a project planning submission to Galway County Council. We will advertise this beforehand in local newspapers and on the project's website.

We will continue to make every effort to ensure that we provide you with all the information you need to fully understand the details of this proposed project as it progresses.

We would welcome the opportunity to discuss any aspect of the proposed project with you so please do make contact with the Project Team using any of the contact details below or at the upcoming project open evening, if there are any areas of the proposed project you wish to discuss further.

Thank you very much for taking the time to read this material.

Yours Sincerely



Diarmuid Twomey,
EMPower Managing Director

<u>Email</u> :	tullaghmore@emp.group
<u>Website</u> :	www.tullaghmorewindfarm.ie
<u>Phone</u> :	01 588 0178
<u>Write</u> :	EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1.

EMPOWER is a registered trading name of EMP Energy Limited, a private limited company registered in Ireland under company number 630312. Directors: Diarmuid Anthony Twomey, ~~John Gabriel Cronin~~ Ingmar Wilhelm, Vimal Vallabh, Seán mac Cann. Registered office: 2 Dublin Landings, North Wall Quay, North Dock, Dublin D01 V4A3.

Appendix 6c – Online Virtual Community Exhibition

RECEIVED: 26/01/2023



Welcome to the proposed Tullaghmore Wind Farm Virtual Public Exhibition

Read through the brief guide below and then click the "enter exhibition" button at the bottom of the page to proceed to the virtual exhibition.

For the best experience, please use a desktop / laptop computer running Google Chrome as your web browser. Please note, Internet Explorer is not supported and users may experience issues if trying to access the exhibition using this web browser.

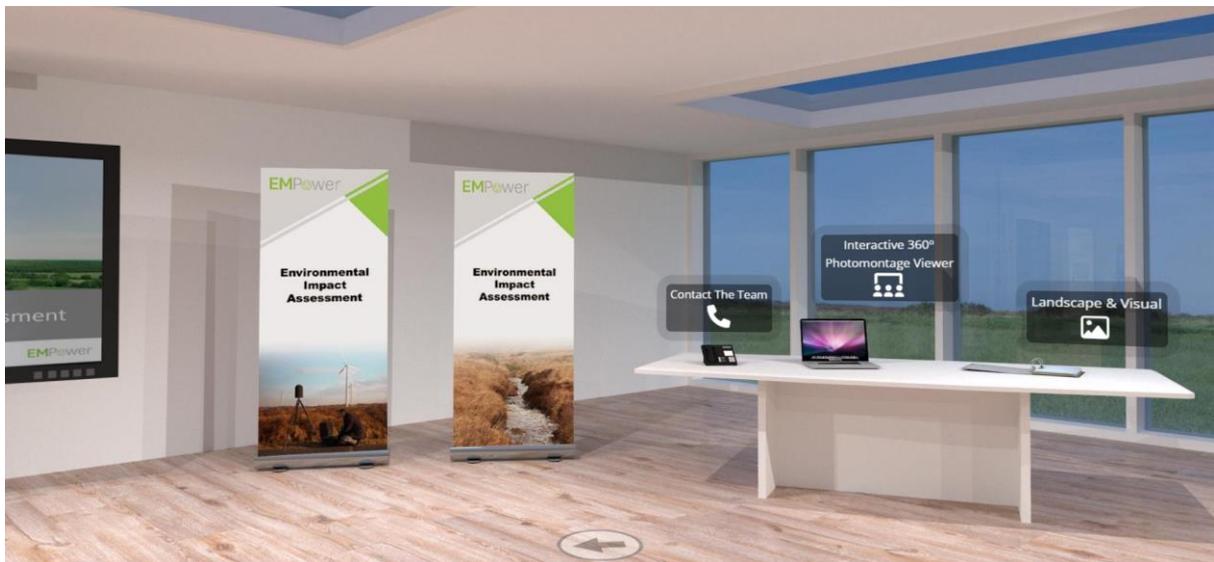
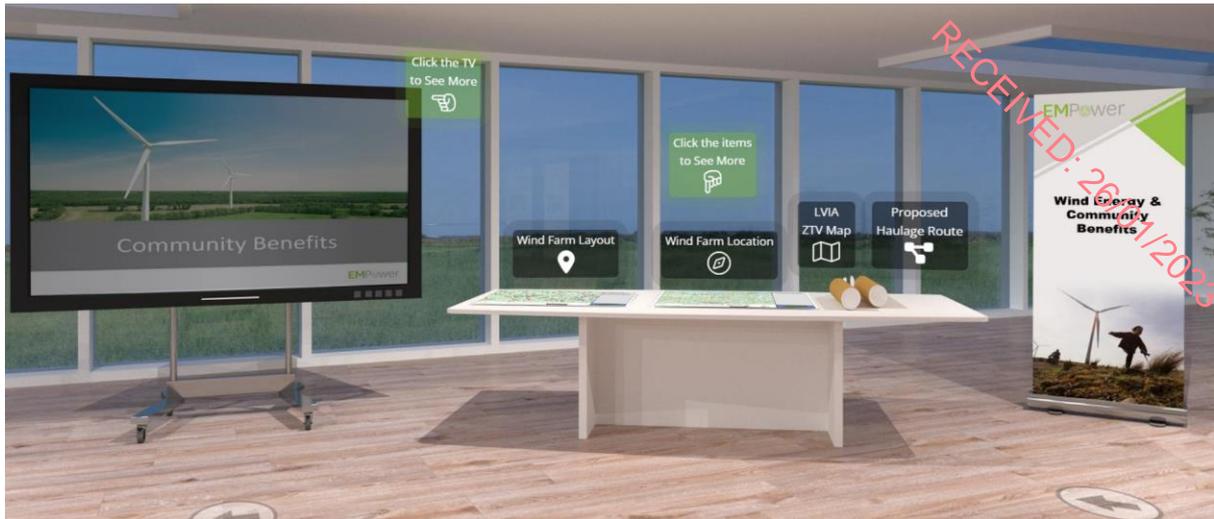


Left-Click and drag your mouse to look around the room

Click on the banners and items to see more information and media

Enter Exhibition





Appendix 6d – 31/03/2022 Proposed Tullaghmore Wind Farm Project Information Evening

RECEIVED: 26/10/2023





Appendix 6e – Project Information Evening Connacht Tribune Advertisement

84 NOTICES

CONNACHT TRIBUNE
FRIDAY, MARCH 25, 2022

PLANNING, LEGAL & PUBLIC NOTICES

Regulation 42(13) of the European Union (Birds and Natural Habitats) Regulations 2011 (as amended)

Public Consultation

Peatlands Climate Action Scheme Activities at Derryfadda Bog

Bord na Móna proposes to undertake decommissioning and rehabilitation activities under the Peatland Climate Action Scheme (PCAS) at Deryfadda Bog, Ballinasloe in the townlands of Acre East and West, Cloonshee (Dillon, Kelly and Trench), Dalysgrove, Deryfadda, Killaderry, Lissyegan (Mahon) and Srahloughra in County Galway.

The proposed decommissioning and rehabilitation activities are a) to decommission the previous peat extraction extent at Deryfadda bog and b) a suite of enhanced rehabilitation measures designed to optimise hydrological conditions for climate action benefits. The total area of the proposed activities is 610ha.

Under and in accordance with regulation 42(9) of the European Union (Birds and Natural Habitats) Regulations 2011 (as amended), Bord na Móna is required to conduct an appropriate assessment of the proposed activities. For this purpose, Bord na Móna has prepared a Natura Impact Statement.

Before making a determination on this matter, under and in accordance with regulation 42(13) of the European Union (Birds and Natural Habitats) Regulations 2011 (as amended), Bord na Móna hereby publishes notice of the proposed activities. Any person may make submissions or observations to Bord na Móna in writing concerning the proposed activities within 30 days of the date of this notice. Bord na Móna shall have regard to any submissions or observations received during this public consultation.

Bord na Móna will decide whether or not the proposed activities would adversely affect the integrity of any European site.

The relevant documents may be viewed at bnmpcas.ie/nisconsultation, and submissions should be made in writing to the following address: Peatlands Climate Action Scheme, Bord na Móna, Main Street, Newbridge, Co. Kildare or by email (pcasinfo@bnm.ie). All submissions should include the subject line **NIS Public Consultation – Derryfadda Bog**.

COMHAIRLE CHONTAE NA GAILLIMHE

Táimse Peter Conneely ag iarraidh Cead Pleanála ar Chomhairle Chontae Na Gaillimhe chun mo Theach Cónaithe agus mo sheidseanna a choinneáil agus chun mo Chóras Séarachais a uasáidíú chomh maith le gach obair eile a bhaineann leis an thobar, a dhéanamh ag Ceolún Na gCúic: Theas, Baile na hAbhainn, Co. Na Gaillimhe. Is féidir an tarratas Pleanála a scoilú, nó cóp de a cheannacht, ar costas réasúnta, ag an Oifig Pleanála, Comhairle Chontae Na Gaillimhe, Áras an Chontae, Cnoc na Radharc, Gaillimh, idir 9.00n. go 4.00n., ón Luan go hAoine. (De Ceadain 10n - 4n) Is féidir tuairim a nochtadh nó aighneacht a dhéanamh faoi iarratas, i scríbhinn chug an Udarás Pleanála ach taité 40.00 a loc taobh istigh de chug seachtain ón lá a chuirtear an tarratas isteach chug an Udarás Pleanála. (Dáta réasúnta ar a síneas)

GALWAY COUNTY COUNCIL

Permission is being sought for (1) demolition of existing detached house (2) construction of a residential development consisting of an overall 13 no. units comprising of (a) 1 no. 4 bed detached house, (b) 4 no. 3 bed semi-detached houses & (c) 8 no. 2 bed houses in 2 blocks of 4 and all associated site works and connection to services and (3) new vehicular site access onto local road at Cosmona, Loughrea, Co. Galway for Patrick Connelly. The application may be inspected or purchased at the planning office Galway County Council, County Hall, Prospect Hill, Galway during office hours 9.00am to 4.00pm Monday to Friday (Wednesday 10.00am to 4.00pm) A submission or observation in relation to the application may be made in writing on payment of €20 within a 5 week period beginning on the date of receipt by the authority of the application.

COMHAIRLE CHONTAE NA GAILLIMHE

Iarrann Christina Ni Bhalie cead chun síneadh a dhéanamh ar aghaidh, taobh agus cúl theach cónaithe dhomairta tuatha, ina mbeidh 89.5m² áil breise cónaithe, aifní leagan amach, fuinneoga sa díon, seirbhísí agus oibreacha talamh a bhaineann, i gCo. na Ríon, Indreabhán, Co. na Gaillimhe H91 RD7X. Is féidir an tarratas Pleanála seo a scoilú nó a cheannacht (ach costas réasúnta an cóp a loc) ag oifig an Udarás Pleanála, Comhairle Chontae Na Gaillimhe, Áras an Chontae, Cnoc na Radharc, Gaillimh, le linn uaireanta oifigiúla 9n. go 4.00n. Luan Go Aoine (Ceadain 10.00n. go 4.00n.) Is féidir tuairim a nochtadh nó aighneacht a dhéanamh faoi iarratas i scríbhinn chug an Udarás Pleanála taobh

GALWAY COUNTY COUNCIL

Planning permission is being sought by Andrews and Eamonn Joyce to revise the house design and the garage design previously granted under planning reference number 18/1563 at Clogh, Gurteen, Ballinasloe, Co. Galway. The Planning Application may be inspected or purchased at the offices of the Planning Authority, County Buildings, Prospect Hill, Galway during its opening hours, Mon - Fri, 9am - 4pm, Wed 10am - 4pm. A submission or observation in relation to the application may be made in writing to the planning authority on payment of a fee of €20.00, within 5 weeks beginning on the date of receipt of this application by Galway County Council.



EMPower, a company with an address at 2 Dublin Landings, North Wall Quay, Dublin 1 are exploring the potential to develop a wind farm on the townlands of Derrybeg, Tawnaghbeg and Tullaghmore in Co. Galway.

As part of our continued project community consultation, we are hosting an In-Person Consultation Event in the Peacocks Hotel, Lurgan, Maam Cross in order to engage with Stakeholders that have an interest in the proposed project.

Please stop by the Peacocks Hotel anytime between 4pm and 7.30pm on Thursday the 31st of March 2022 to discuss this proposed project with members of the project's design team.

We look forward to your input and thoughts on the project's design process or on any aspect of the proposed wind farm and community benefit fund allocation.

EM Power, 2 Dublin Landings, North Wall Quay,
North Dock, Dublin 1, D01 V4A3, Ireland

Galway County Council

Full planning permission is sought for the construction of a new dwelling house, domestic garage, sewage treatment plant and percolation area, along with all ancillary works at Clashaganny, Kibullagh, Athenny, Co. Galway for Valerie Conoran. This application may be inspected or purchased at the Planning Office between the hours of 9am and 4pm Monday-Friday. A submission or observation in relation to the application may be made in writing on payment of €20 within 5 weeks of receipt of application. Signed: Cyril J. Kelly & Assoc.

Galway County Council

Full planning permission is sought for a new dwelling house, domestic garage, sewage treatment plant and percolation area at Clogharaun, Kibullagh, Athenny, Co. Galway for Jerry Doohy. This application may be inspected or purchased at the Planning Office between the hours of 9am and 4pm Monday-Friday (Wednesday 10am-4pm). A submission or observation in relation to the application may be made in writing on payment of €20 within 5 weeks of receipt of application. Signed: Jerry Doohy

Galway County Council

I, Cormac Diviney, intend to apply for full planning permission for a dwelling house, garage, new septic tank/treatment plant with percolation area and all associated site works at, Raheen Killybeg, Gort, Co. Galway. This may be inspected or purchased at the planning office of Galway County Council, during its public opening hours 9am - 4pm Mon - Fri (10am - 4pm Wed). A submission or observation in relation to the application may be made in writing to the planning authority on payment of €20 within 5 weeks of receipt of application. Signed: Derek Conneely Architects M.R.I.A.I. Level One, Liosban Business Park, Tuam Road, Galway. www.conneely.ie

GALWAY COUNTY COUNCIL

Outline planning permission is sought on behalf of Shane Kennedy for the construction of 3 No. Dwelling Houses, removal of existing palisade fencing, construction of new front boundary walls, connection to services and all associated site works, in the Townland of Freeport, Baarna, Co. Galway. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the Planning Office, Galway County Council, Prospect Hill, Galway, during office hours. A submission or observation in relation to the application may be made in writing on payment of the prescribed fee of €20 within a 5 week period beginning on the date of receipt by the Authority of the application. Signed: DPC Design & Planning, Main Street Loughrea, Co. Galway.

GALWAY COUNTY COUNCIL

Permission sought from Galway County Council by S.Curley at Killoigan, Co. Galway. The development will consist of (1) Permission sought for retention of 1 No. 1st floor apartment (2) All associated site works and services. This may be inspected or purchased at the Planning Office during its public opening hours. A submission or observation in relation to the application may be made in writing on payment of €20 within 5 weeks of receipt of

GALWAY COUNTY COUNCIL

Permission for retention sought from the above authority to a) Retain dwellinghouse on revised site boundaries, b) Retain minor elevation changes c) Retain domestic garage as completed, d) Retain revised location of septic tank and percolation area, e) Retain revised location of site entrance at Barnaboy (E.D. Deepark). This may be inspected or purchased at the Planning Office during its public opening hours. A submission or observation in relation to the application may be made in writing

Appendix 6f – March 2022 List of Clubs and Societies Contacted Via Project Information Letter

EMPOWER
2 Dublin Landings, North Wall Quay
North Dock, Dublin D01 V4A3
E: info@emp.group
T: +353 (0)1 588 0178



RECEIVED: 26/01/2023

25/03/2022

Re: Proposed Tullaghmore Wind Farm in the townlands of Derrybeg, Tawnaghbeg and Tullaghmore in Co. Galway

To whom it may concern,

As you may be aware, EMPower are exploring the potential for a renewable energy project in the townlands of Derrybeg, Tawnaghbeg and Tullaghmore in Co. Galway. The Study Area for the proposed project is located approximately 9 kilometres West of Oughterard and 6 kilometers East of Maam Cross.

EMPower is an Irish renewable energy developer with over 700 MW in development in Europe and Africa. Our senior management team comprises five Irish professionals with a combined 95 years' experience delivering projects from conception to operation across five continents. EMPower's headquarters is in Dublin. We are committed to developing responsible projects in a way that is good for us, for Ireland and for local residents.

The EMPower team have hosted two live online project specific webinars to date, one on the 03/06/2021 and the second on the 16/12/2021. Several project newsletters have also been distributed up to 3km from the proposed project's Study Area. You will find all this previously released project literature and both webinar recordings, plus much more project information at www.tullaghmorewindfarm.ie.

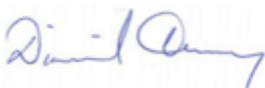
EMPower believes that clubs, organisations, and societies within the community local to the proposed projects Study Area have a significant opportunity to benefit directly from the projects associated community fund. If constructed, the proposed Tullaghmore Wind Farm could provide a community fund of approximately €184,444 per year, to be made available for the duration of the Government's Renewable Electricity Support Scheme (RESS), which is 15 years. Of this, it is estimated that each year approximately €73,777 could be dedicated to not-for-profit community enterprises, with a further €71,222 being set aside for local initiatives, clubs, and societies. On current project timelines, the fund is estimated to commence in 2027 and is subject to planning permission being granted.

At EMPower we understand that organisations, clubs, and societies can benefit from one off funding to address short-term needs. However, we also have direct experience in committing to provide support over several years. This means organisations, clubs and societies could plan for projects and initiatives that will have a lasting positive effect on their local communities. All community benefit funds associated with EMPower projects align with industry best practice and the Department of the Environment, Climate and Communications, RESS.

We would welcome the opportunity to speak to you or your organisation directly to understand your long-term development plans as well as short term needs. We are constantly striving for better ways to engage with communities, and we welcome your suggestions in this regard.

Thank you for taking the time to read this material.

Yours Sincerely



Diarmuid Twomey,
EMPower Managing Director.

Email:	tullaghmore@emp.group
Website:	www.tullaghmorewindfarm.ie
Phone:	01 588 0178
Write:	EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1.

- Connemara Railway Maam Cross Heritage
 - Maam Cross, Railway Station Maam Cross Road, Connemara, Co. Galway. H91 X663 Ireland
- Maam Cross Mart
 - Lurgan, Maam Cross, Co. Galway, H91 V520
- Peacocks Hotel
 - Lurgan, Maam Cross, Co. Galway
- Ardagh Quarry,
 - Arderry, Recess, CO. Galway, H91 YY27Maam Cross Quarries ltd
- Derroura Mountain Bike Trail
 - N59, Letterfore, Co. Galway
- Newvillage Football Park,
 - Newvillage, Oughterard, Co. Galway
- Oughterard Rugby Club
 - Clifden Road, Oughterard, Co. Galway
- Oughterard GAA club
 - Post - All correspondence should be addressed to The Secretary, Oughterard GAA Club, Corribdale, Oughterard, Co. Galway.
- Knockillaree Riding Centre
 - Rusheeny Road, Oughterard, Co. Galway, Ireland
- Glengowla Mines
 - Glengowla, Oughterard, Co. Galway

RECEIVED: 26/01/2023

Appendix 6g – 14/03/2022 Irish Language Newsletter and Community Letter

RECEIVED: 26/03/2023

Tionscadal Beartaithe Feirme Gaoithe na Tulaí Móire

Nuachtlioir Uimh. 3 – Márta 2022



Rádhach thiar thuaidh ó shuíomh ardaithe i Limistéar Staidéir thionscadal na Tulaí Móire

Réamhrá

Is í seo an tríú Nuachtlioir a d'éilleadh do thionscadal beartaithe feirme gaoithe na Tulaí Móire. Tá an tionscadal atá beartaithe anois ag céim inar bailiúdh agus inar tionscadal sonrai uile an tsuirbhé measúnaithe cuimhseoil chun bonn eolaí a chur faoi leagan amach deiridh an tionscadal atá beartaithe. Leagtar amach sa Nuachtlioir seo forthreathnú ar an tionscadal atá beartaithe ag céim Leagan Deiridh a Dó.

Reachtfaidh foireann an tionscadail imeacht fílánéise tionscadail in Ostad Pascoogach ag an Teach Dóite ar an 31/03/2022 áit ar feidir leat buaidh íosaigh ag an ar bith idir 4pm agus 7:30pm chun tionscadal beartaithe feirme gaoithe na Tulaí Móire a phlé le ball den fhoireann deiridh agus feachtar an ar bhfianáil tionscadail is déanaí.

Nuair a bheidh leis agat léamh tríd an mbréiflír seo agus má bhíonn son réimse den tionscadal ar mhach leat tuilleadh plé a dhéanamh air, déan teagmháil le foireann an tionscadail trí uaid a bhaint as na sonraí teagmhála ar leithnach cúl na Nuachtlioreach seo nó ar shuíomh gréasáin an tionscadail (www.tullaghmorwindfarm.ie).

Conas a Cheaptar an Togra Deiridh Tionscadail

Tá deiridh feirmeacha gaoithe á rialú ag straih treoirinnte reachtach maidir le hachtar [sps.gov.uk](http://www.sps.gov.uk), torann, sráta amháic agus comhpháil i measc níos éile. Níl dócha go dtiocfaidh an t-údarás toilithe cead pianáil d'aon tionscadal beartaithe nach ndéanann a dhearadh trí dhóil leis an reachtáilocht seo.

Deiridh an tionscadail feirme gaoithe atá beartaithe don Tulach Mhór agus an leagan is nuashonraithe de na treoirinnte d'fhorbairt fuinnimh gaoithe san áireamh. Tá sé mar aidhm leis an gcur chuige comheadach is fearr go dtiocfaidh an tionscadal fuinnimh in-athnuaite beartaithe an airdir d'aon treoirinnte nua a d'fhéadfaí a áirde agus a chintíonn go roghnaithe an deiridh tionscadail is oiriúnaí agus go gcuirtear ar aghaidh é lena bhfeidhm in aighneacht pheanála.

Déantar mapáil sráta an tionscadail a nuashonrú go leanúnach le linn phróiseas deiridh na forbartha bunaithe ar threoirinnte gach ceann de na himreathúil agus measúnaithe látréim de réir mar a chuirtear i gcrích la. Plétear sa Nuachtlioir seo cuid de na réimí de phróiseas deiridh an tionscadail seo ina raibh an tion is mó comhráite agáin le páirtithe leasmhara agus le cónaitheoirí áitiúla i Limistéar Staidéir an tionscadal atá beartaithe.

Cé hiad EMPower?

Is forbróir fuinnimh in-athnuaite Éireannach é EMPower le níos mó ná 700 MW i bhforbairt san Eoraip agus san Afraic. Tá cúigear gairmithe Éireannacha ar ár bhfoireann ardánáinstitiúta a bhfuil taithi 95 bliain san iomlán acu ag zóilúir tionscadal ó cheaptadh go feidhmú ar fud cúig mhór-roinn. Tá ceanncheathrú EMPower lonnaithe i mBaile Átha Cliath.

Tá EMPower faoi úinéireacht GGE Ireland Limited, Wind Power Invest A/G agus EMP Holdings Limited.

Is í an fhis atá agáin fuinneamh ísailcharbóin, neamh-ionrach, inacháiníne a sholáthar chun gailleagar na hÉireann atá ag dul i míleid agus spríocanna fuinnimh inbhuanaite a eascu.

95 bliain
Taithi iomlán fhoireann bainistíochta EMPower i bhFuinneamh in-athnuaite

700 MW+
Acmhainn Fuinnimh Gaoithe atá á fhorbairt faoi láthair ag EMPower

5 Mhór-Roinn
Taithi iomlán Gheagrafach fhoireann EMPower i bhFuinneamh in-athnuaite



Is é ár dtiomantas teagmháil bhrioch a dhéanamh lenár bhpartíithe leasmhara maidir le cinnti a bhaineann leo. Tá sé mar aidhm agáin é seo a dhéanamh go tráthúil, agus gailleimid go ndéanfaimid cadrimh a thógáil agus bus a chur le comhrá ar na gnéithe den tionscadal fuinnimh in-athnuaite atá beartaithe is fearr a d'fhéadfaid feidhmú don cheantar áitiúil seo. Is dóigh linn go bhfuil ciall shóisialta agus ghnó níos fearr le haon tionscadal beartaithe a dhearadh ar an mbealach seo.

Bithéagsúlacht

Chomh maith le staidéir deise agus measúnaithe a rinneadh mar chuid de Thuascáil an tionscadail ar himreathúil Tionchar Timpeallachta, rinneadh suirbhéanna aillmuhag feiringe thar roinnt bílanta freisin. Rinne na suirbhéanna seo catagóir ar na gnáthoga éagsúla, maráth, sciathán leathair, éin chomh maith le hnéileolaíocht uisceach ar fud Limistéar Staidéir an tionscadail agus na bealaí garmhara ina bhfuil nasc leis an ngréille agus na bealaí seachta tuirbíní atá beartaithe. Déantar an potéinseil le haghaidh éifeachtaí díobhála ar an bhfóra agus fána áitiúil sna ceantair seo a fhionnadh agus a thoirmeádú.

Níl an Limistéar Staidéir ar thionscadail lonnaithe laistigh d'aon láithreán Ailimhíne Eorpach. I measc na ngnáthóg is logaire atá suite in áite ilimhe tá limistéir chosanta agus choamhantais speisialta Cholmpleasc Phortaigh Loch Coirbe agus Chomhantais chomh maith le Limistéar Choamhantais Speisialta Shléithe Mhain Torc.

Cuimíonn an Limistéar Staidéir ar thionscadail atá beartaithe meascán de chineálacha gnáthóige le cuid mhach d'fháin lochtaracha agus áir Limistéar Staidéir an tionscadail ina bhfuil gnáthoga talte portáigh mar shaintréim de chomh maith le frach fíoch, frach sríim, carraig chéileach agus móic de na gnáthoga thuas in áiteanna. Tá innit ceorach forleathan agus tá an déine innite éagsúil laistigh den Limistéar Staidéir foriomlán.

Tá speicis éan a fhaightear i bporáin níos leitne Limistéar Staidéir an tionscadail comónta i ngnáthóg phortaigh oscailte agus plandaí buaircineach lena n-áirítear an broigheall, an mallard, an faoiléan bán, cromán na gearc, an faoiléan scáidín, an meilín, an scotalaire agus an pocalaire gaoithe. Bheadh na speicis seo ar chuid de leasanna cáiliúnta na Limistéir faoi Chosaint Speisialta in áite ilimhe freisin.



Hidreolaíocht agus Hidrigeolaíocht

Tá feirm gaoithe beartaithe na Tulaí Móire suite laistigh de Dhoibharcheantar na Coirbe i Limistéar Hidreolaíoch 30, de Chóras Uíona Abhainn na hÉireann agus laistigh de 10 fo-Abhainnach Yothach mar a shainmhíneadh sa Chreat-Treoir Uisce. Is í Abhainn Bhui an ghné mór uisce dromhla a aithníonn gar don tionscadal atá beartaithe agus rithéamh sí siar ó dheas. B'a é an Stádas monatóireachta EPA is déanaí don Abhainn Bhui ná "Go Maidin" (2018).

Tá sibhneacha agus sruthán níos lú suite ar fud Limistéir Staidéir an tionscadail atá beartaithe agus tá gach ceann acu ceangailte go hidreolaic le Loch Coirbe sa deiridh. Tá go leor drenacha saorga agus náidúna suite laistigh den Limistéar Staidéir. Níl loch ná bogach ar bith suite laistigh de theorainn an tionscadail agus is loch beag gan ainm atá suite 450m siar ó theorainn an tionscadail i mbaile fearainn na nDoiri Beaga an ceann is gaire.

Níl an tionscadal beartaithe suite laistigh d'aon limistéir atá saináinimhite ó thobac an chomhpháil de ná laistigh d'aon limistéir cosanta foinsí screamhúla. Is féidir screamhúla laistigh den teorainn forbartha atá beartaithe a síomú mar screamhúla a bhfuil logaireacht ard go measartha ag baint leis mar gheall ar chnairg nó carachtar a bheith ar an dromhla nó in áite leis i roinnt áiteanna. Tá an tobac screamhúla mapáilte le gaire thar ar 10 gailleagard soir ó dheas ó Limistéar Staidéir an Tionscadail. Úsáidfear bainistíocht dréanála chun uisce dréanála a rialú le linn an tógála beartaithe, ag cinntiú go leanfaidh rith chun srutha dromhla ó aon limistéir fhorbartha den tionscadal beartaithe de bheith ar chaighdeán maith gan an riosca tuille don sulm loghrádaíche. Cuirfeadh ciar monatóireachta uisce dromhla i bhfeidhm le linn chéim thógála an tionscadail seo má tugtar cead pianáil dó. Bunaithe ar na bearta mapáilte atá beartaithe, níl aon fhéideacht ann go mbeidh tionchar suntasach ar an hidreolaíocht agus ar screamhúla mar thoradh ar thionscadal feirme gaoithe na Tulaí Móire atá beartaithe.

Torann agus Creathadh

Gineann tuirbíní gaoithe torann agus iad ag rothlú chun cumhacht a ghiniúint. Níl tharladh sé seo ach ó cionn luas na gaoithe 'gearrtha' íosaigh agus faoi bhun luas na gaoithe 'scoite' amach. Faoi bhun luas na gaoithe 'gearrtha' íosaigh níl neart leordhóntach sa ghaoth chun na lanna a rothlú agus ó cionn luas na gaoithe 'scoite' amach múchtar an tuirbín go huathchoil chun son mhífheidhmeanna a chosc.

Tá an luas gaoithe 'gearrtha' íosaigh ag mól-áirde an tuirbín thart ar 3 méadar in aghaidh an tscoilid (11 chiliméadar san uair) agus tá luas na gaoithe 'scoite' amach thart ar 25 méadar in aghaidh an tscoilid (90 chiliméadar san uair).

Tagann na príomhfhoinsí torainn ó na lanna rothlach san aer (torann aeráidínimicéil) agus ó inneallí inneáinach, de ghnáth an giarbhosa agus go pointe níos lú, an gineadóir (torann méicéil). Tá na lanna deiridh go curamach d'fhonn torann a losgnadh agus áirde cumhachta ón ngeath a bharrneascú.

Má tholltear leis an tionscadal seo is féidir creathadh a ghiniúint trí ghníomhaíochtaí tógála cosúil le briseadh carraige agus feithicil earrail troma a rith. Tarlaídh torann tógála le linn tochairte agus bogadh talún, bóithre agus seasáim chrua a léagan, bóthair a lompar agus na tuirbíní gaoithe a thógáil. Beidh céim na tógála céimnithe agus seadach. Cuirfead measúnú iomlán ar thorann saoire tionscadail agus ar thionscadal creathadh san áireamh mar chuid den aighneacht pheanála.

Tugtar faoi mheasúnú torainn agus tonnachtróid ó cheimnéanna cioróidh, tógála agus dhíoniméiríníne na forbartha beartaithe.

Tugadh faoi mhonatóireacht ar thorann bonnlíne ag suíomhanna gnáthoga éagsúla a bhain le Limistéar Staidéir feirme gaoithe na Tulaí Móire chun na leibhéalí torainn chúlra atá ann cheana féin a bhunú i gcomharsanacht na forbartha beartaithe.

Roghnaídh na suíomhanna tomhais seo mar go léiríonn siad cuid de na háiteanna is gaire don tionscadal atá beartaithe chomh maith le timpeallachtaí torainn éagsúla a léiriú i gcomharsanacht an Limistéir Staidéir.

Chun bonn eolaí a chur faoi leasú tionschair torainn, rinneadh monatóireacht bonnlíne ar thorann ar an timpeallacht torainn atá ann cheana don tionscadal beartaithe seo thar thréimhse ceithre seachtaine in 2021. Bunlaíonn an próiseas seo na leibhéalí torainn atá ann cheana féin roimh aon fhorbairt fhéideartha. Déantar teorainneacha cúl ar leibhéalí torainn a chineadh ansin de réir bheirteas agus chroíl is déanaí an Rialtas.

Féachann na teorainneacha torainn le comhrólacht a bhaint amach idir na sráta torainn a chuirtear ar fheirm gaoithe, cosáin áiteanna áitiúla agus na buaidh náidúnta agus domanda a bhaineann le forbairt fuinnimh in-athnuaite. Ansin cuirtear na heasáidí torainn tuartha ón bhfeirm gaoithe i gcomparáil leis na teorainneacha seo. Déantar agus obreofar an feirm gaoithe ar bhealach a chintíonn nach srátra na teorainneacha fordaite agus déantar í a bhailiúchú tuilleadh freisin le suirbhéanna monatóireachta torainn [áirde](http://www.sps.gov.uk) má tholltear leis an tionscadal.

Ithreacha Talún agus Geolaíocht

Is portach den chuid is mó atá i ngeolaíocht limistéir staidéir an tionscadail. le limistéir d'fhéaraigh ardaithe agus fíochlloch sléibhe ann chomh maith. Rinneadh imscrúlaíochtaí mionsonraíche lena n-áirítear síoláidí láithreán, measúnuithe ar chotháilocht móra, tochairli póil trialach agus poill toila chun rochtain a fháil ar gheolaíocht an Limistéir Staidéir. De ghnáth is mó iad na ithreacha agus na fo-ithreacha le tili agus pógáil ann chomh maith. Faoitear den chuid is mó go bhfuil an gheolaíocht de fhoirmí adhainte (leathr) le mon-Grinníochíocht le feiceáil chomh maith.

Má tholltear leis an tionscadal seo, beidh gá le fo-ithreacha agus carraig a bhaint chun bunstrátheanna daingne a churtha d'fhonn bonnagar na feirme gaoithe a thógáil. Cuirfidh tochairli son buncharráige agus foinsí comhábha óiriúnta laistigh den léarái ábair tógála cúl ar fáil do bhídhne rochtana do bhundéana tuirbíní agus do bhunstrátheanna ginearáta crua. Níl hionann fo-ithreacha agus buncharráige a bhaint agus a shuídh agus tionchar suntasach a imirt ar gheolaíocht an Limistéir Staidéir. Níl mheastar go mbeidh aon tionchar suntasach ná tionchar chnamacha ar an tthir agus ar an timpeallacht gheolaíoch mar thoradh ar an bhfeirm gaoithe atá beartaithe agus ar an nsc leáin an ngréille bhaineann léi.

100 Daonra agus Sláinte an Duine

Déantar scrúdú sna measúnuithe tionscadail ar na tionchair a d'fhéadfadh a bheith ag an tionscadal beartaithe seo (tairbhíoch agus díobháilach aron) agus ar son éifeachtaí feidhmeanna foilaine agus huise a d'fhéadfadh a bheith ag an bpoibail áitiúil agus réigiúnach. Déantar torthaí an mheasúnuithe seo a dhoiciméadú mar chuid den Tuairiscáil Mheasúnaithe Tionchair Timpeallachta a bheidh ag gabháil leis an aighneacht pheanáil. I measc na bporiom-shaincheistean a scrúdaítear:

- Treochtaí Daonra;
- Gochosnaimíocht, Fostáilocht agus Gníomhaíocht Eaconómíocht;
- Úsáid talún atá ann cheana;
- Áineas, Áineas agus Turasóireacht;
- Sláinte agus Gábháilteacht an Duine;
- Bonneagar Acmhainní In-athnuaite, Iasamh-Inathnuaite agus Fóntaí;
- Aisíonacht deannach agus Ghníomhaíocht Tógála;
- Aisíonacht torainn le linn gníomhaíochtaí agus oibríú tógála;
- Gábháilteacht an phobail;
- Tionchair Fhísúla le linn na hoibríochta;
- Cúchail scáileanna le linn oibríú;
- Nuis tránta le linn na tógála;
- Tionchair turasóireachta agus áineas.



Ag breathnú soir ó thuaidh ar limistéar staidéir thionscadal na Tulai Móire ó gar do Loch Lorgan

An Tionscadal Beartaithe – Atriail Dearaidh 2

I Nuachtoidir tionscadail mhí na Nollag 2021 agus seimeinair gréasáin ar line tugadh míonmíni ar an gcead Atriail Dearaidh don tionscadal beartaithe seo. Rinne an fhoireann dearaidh an leagan amach agus a bheith tuisleach agus curraice Atriail Dearaidh a d'ádh an tionscadail i láthair sa Nuachtoidir seo. Déantar leagan amach an tionscadail seo a bheith tuisleach zula gcuirfead deardán deirdh faoi bhráid an údaráis tithíochta bhíodh iarratas pheanáil.

Tá tionscadal beartaithe na Tulai Móire ag loig Cead Pheanáil faoi láthair chun ó thuirbín gaoithe a thógáil. Gann meiteareolaíoch buan, fostáilúin 38kV ar an láthair agus gach obair choimhdeach.

- Ag céim Atriail Dearaidh 2 seo tá na príomhchodanna seo a leanas na tionscadail atá beartaithe:
- Tógáil ó uirth, 6.2 Turbíní gaoithe Meigeavata le hairde iomlán ón talamh go bíor na hairde de 185m agus airde mól de 104m;
- Bóithre rochtana tionscadail, limistéir a bhíofaí an creain acu agus bunraiteanna turbíní a thógáil;
- Feabhas a chur ar bhealach isteach reatha an tionscadail le rochtain ar an N59;
- Tógáil comhshuíomh tógála sealadach le hoilgí láidreáin sealadacha gaoimhara, limistéir pháircéala agus fáil sídháil;
- Sultáil crann meiteareolaíochta buan amháin;
- Rianta/bóithre rochtana innheacha nua a thógáil agus rianta atá ann cheana a uasghrádú lena n-áirítear bána a rith agus gach draenáil gaoimhar;
- Líonra draenáil tionscadail a fhorbairt;
- Tógáil fostáilúin buan 38kV amháin;
- Gach cáblú leictreach agus cumarsáide faoi thalamh a bhaineann leis a nascann na turbíní gaoithe leis an bhfostáilúin fírmhe gaoithe;
- An fheirm gaoithe a nascadh leis an eangach leictreachaí náisiúnta, a bheidh trí nasc cábla faoi thalamh 38kV thart ar 18km ar fhad le Fostáilúin reatha ESB Sreabe 110 kV;
- Tá breithniú a dhéanamh ar chead pheanáil 10 mílíná agus ar shao oibríocháin 35 bliain ón dáta a coimisiúnáil an fheirm gaoithe ar fad.



- 6 Thuirbín Gaoithe
- Airde an Bheara 185m, Airde an Mhoil 104m
- 37.2 MW+
- Fostáilúin 38kV ar an láthair
- Rochtain an N59
- Roghanna nasctha greille ag Sreabe
- Cumhacht ghlan do bhreath agus 21,900 Teach Éireannach

Tá leagan amach an tionscadail atá beartaithe a dheardadh chun na héifeachtaí comhshaoil a d'fhéadfadh a bheith ag an bhfeirm gaoithe a losgáil agus uastordh fuinnimh ó acmhainn gaoithe na sulomhanna a húdaí ag an am céanna. Agus an leagan amach a dheardadh cloidh nuair ab fhéidir leis na rianta agus na maoláin seo a leanas:

- fad 50 méadar ar a laghad go sruthchúisil;
- fad 20 méadar ar a laghad go dtí draenacha talún;
- fad 100 méadar ar a laghad chug séadchomharthaí agus struchtúir seandálaíochta;
- fad 740 méadar ar a laghad ó thuirbíní go tithí áirithe;
- fánaí talún níos mó ná thart ar 10 - 14% a sheachaint;
- bonneagar taléachumarsáide atá ann cheana a sheachaint;
- línte cumhachtaí lánairde atá ann cheana a dheas ó Limistéar Staidéir an tionscadail ina gcuirfead maolán 500 méadar i bhfeidhm;
- gnéthoga fíorghaire a sheachaint e.g. brathphortach.

Sceideal an Tionscadail Atá Beartaithe

Sceideal Beartaithe na Tulai Móire	2019	2020	2021	2022	2023	2024	2025	2026	2027
Stádas Eiseolaíoch									
Déantáil Eiseolaíoch									
Comhshuíomh a bhailiú									
Comhshuíomh a bhailiú									
Tógáil a thosú									
Tioncail a thosú									



Sochar Pobail

Má tholltear é, beidh infheistíocht thart ar €39.6 milliún euro ag teastáil ó Fheirm Gaoithe na Tulai Móire atá beartaithe agus cuirfidh sé bonneagar inbhanaithe íosalchardbín gínlua fuinnimh ar fáil chun feasta ar an eileamh atá ag meádu in Éirinn. I measc na miontáirí forberna don phobail áitiúil bheadh infheistíocht chunatach i mbonneagar áitiúil agus i gcuirfead leictreacha, cruthú post áitiúil, agus ranníocáil de thart ar €10.4 milliún i ratal Chomhairle Chontae na Gaillimhe thar shaolré an tionscadail.

Má tholltear é, cuirfidh feirm gaoithe na Tulai Móire ciste pobail ar fáil freisin arna ríomh de réir Thearmaí agus Chomhriochta na Sóime Tacaíochta leictreachais in-athnuaite (RECS) ag €2 in aghaidh na huairde meigeavata leictreachais arna tháirgeadh ag an tionscadal. Tá sé seo le cur ar fáil don phobail áitiúil ar feadh thréimse an RECS (15 bliana), is é 23.3% meáfhachtóirí acmhainne na dtionscadail fuinnimh gaoithe in Éirinn (DEA, 2019). Ag gabhadh leis an éifeachtúlacht seo, agus acmhainn mheasta tionscadail de 37.2 Meigeavata, bíonn an ciste sochair pobail agus €184,444 ar an meán in aghaidh na bliana. Athróidh an ciste lárthair thart ar an meán seo ó bliain go bliain, ag brath ar dháil gaoithe gach bliana. Tugann tomhaís gaoithe sa Limistéar Staidéir le fios go bhfeadadh tionscadal beartaithe na Tulai Móire a bheith in ann feachtóir coinnleas ó cloinn an mheán a bhaint amach.

Tá sé beartaithe an ciste seo a roinnt de réir an léirithe thíos. Cuirfead loacocht (osta bhliantúil €1,000 ar fáil do gach teaghlach laistigh de 1 chiliméadar ó aon turbín gaoithe atá beartaithe don Tulach Mhór. Cuirfead loacocht (osta bhliantúil €500 ar fáil do gach teaghlach atá suite idir 1 chiliméadar agus 2 chiliméadar daon sulmhíon tuirbín eile. Socrofar na hloacochtaí seo agus ní athróidh siad. Leithdháileadh 40% den ciste, arís ionann é agus thart ar €73,777 in aghaidh na bliana, ar fhiontair phobail neamhbhrabús, le beim ar thionscainm íosalchardbín. Beidh an chuid eile den chiste dírithe ar chlúbanna áitiúla, ar chumainn agus ar thionscainm eile. Credeann EMPower go láidir gur cheart go mbeifeadh na pobail ina mairidh na dtionscadail an leas is mó as aon ciste gaoimhar. Fáláidí ríomh mhóilíní an bpoibail maidir leis an mbeith i sear a bhfeadadh an ciste seo a leithdháil nó smaoidte do thionscadail áitiúla oiriúnacha a bhfeadfaí scao leo faoin tionscainm seo.

Leithdháileadh Chiste Pobail Tásach na Tulai Móire



63

Post díreach i gcéim na tógála

15

Phost ardaithe thar shaolré an tionscadail

€39.6 milliún

Infheistíocht i mbonneagar na hÉireann

€2.7 milliún

Ranníocáil iomlán Chiste an Chomhphobail

€10.4 milliún¹

Ileas-ranníocáil Ratal Chomhairle Contae

¹ - Meánuir go dtí 03/02/2021 in aghaidh an mheánuir a bhí i bhfeidhm nuair a bhí an tionscadal á dteasta.

Measúnú Tírdhreacha agus Súl

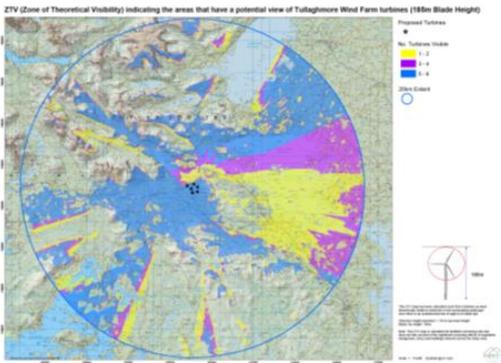
Deánann an measúnú ar ghnéithe Tírdhreacha agus Súl an tionscadail bheathaithe seo measúnú ar éifeachtal agus á an tionscadail ar an tírdhreach mar aonbheith agus freisin ar chraicthe agus ar charachtar an tírdhreacha atá ann cheana féin. Bainneann measúnú ar éifeachtal ainneoin leis an athrú ar thuarimí agus ar tháirneamhacht ainneoin a bhíonn ag grúpaí daoine. Tá Measúnú ar Nádúr an Tírdhreacha lonchoprataithe i bPlean Forbartha Chontae na Gaillimhe agus bheithneofar i Measúnú Tionchair Súl an tionscadail radhairc agus bealaí radhairc ainmnithe in áite láimhe, chomh maith le bealaí ábhartha áiseanna/áineasa (e.g. Súl an Abartaigh Fháin).

Chomh maith le Plean Forbartha Chontae na Gaillimhe, déanfaidh an Measúnú Tírdhreacha agus Súl an tionscadail a mhéas i gcomhthéacs na dTeoiricínta maidir le Fuinneamh Gaoithe a Fhorbairt. Tá limistéar an tionscadail le fáil le feithicil de chineál tírdhreacha is mó atá comhshamhach leis an tírdhreach 'Glaobh Mhíodhach' agus gnéithe den 'Táirne Fierme Chnocach agus Radh' agus 'Tírdhreach Imeachach Idirnhréimeach' sa Limistéar Staidéir níos léithne. De réir na dTeoiricínta thuasluaite, is é 20 ciliméadar an Limistéar Staidéir níos léithne cúl don tionscadal beathaithe seo. Roghnaithear dearcchlaí ábhartha don mhéasúnú tionchair súl ó na catagóirí seo a leanas timpeall limistéar staidéir an tionscadail atá beathaithe amach go fad 20 ciliméadar:

- > Radhairc Áite Sáineáinmnithe;
- > Tuairimí pobail áitiúla;
- > Ionaid Daonra;
- > Príomhbhealach;
- > Gnéithe Turasóireachta, Oidhreachta agus Áineasa.

Roghnaithear na radhaircphointe trí úsáid a bhaint as próiseas 'Crios Léargais Theoiriciúil' (ZTV) a aithníonn limistéir den tírdhreach máguaird ina bhfuil an fhéidearthacht ann go mbeidh an tionscadal beathaithe le feiceáil ón áit sin má thógtar é. Glactar leis sa mhéasúnú ZTV nach bhfuil aon ghnéithe cosúil le crainn, fála, foirgnimh trí sa tírdhreach atá ann cheana d'fhonn glacadh leis go bhfuil na radharcanna is ionláine ó gach dearcadh ionláine. Tugtar faoi obair áilleamh aithní chun grianghraf a thógáil den tírdhreach atá ann cheana féin ó na poirt radhairc roghnaithe, ina dhiaidh sin tá an tionscadal, mar a d'fhéadfadh sé dá dtógaí é, forchurtha ar grianghrafadóireacht na hobair áilleamh chun an radhairc labhair a léiriú.

Léarscáil Crios Léargais Theoiriciúil (ZTV)

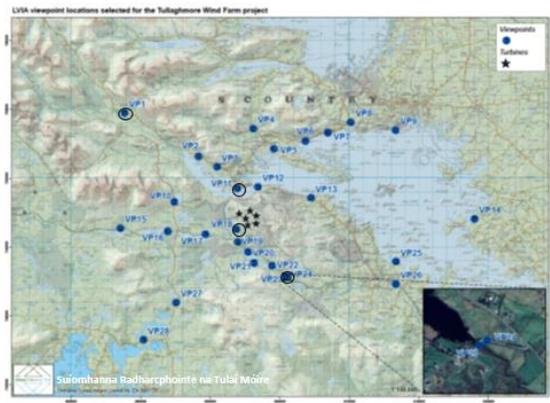


Fóta-Mhontáis ina léirítear an Dearcadh Deiridh

Aithnítear leis an bordúis chun montáistí grianghraf a chruthú tionchair súl an tionscadail beathaithe seo trí na tuirbíní ollbhríochta atá beathaithe a íomáil in áit. Do thionscadal beathaithe na Tuláí Móire, sa 28 léithir radhaircphointe roghnaithe againn timpeall limistéar staidéir an tionscadail atá beathaithe.

Úsáidtear na léaráidí seo chun bonn eolais a chur faoin dearcadh deiridh agus faoin roghnú tuirbíní. Aithnítear gach ceann de na 28 pointe radhairc sa léaráid thíos agus tá na sé shuíomh tuirbín beathaithe aitheanta sa léaráid.

Cuirfeadh gach pointe radhairc ar fáil ar ár Geomra Comhairliúcháin Pobail tionraithe do dhaoine den phobal a bheithne orthu ina n-ionláine. Chun oírcho na Nuchtítreach seo talpeantar radhaircphointe 1, radhaircphointe 11, radhaircphointe 18 agus radhaircphointe 23 níos faide síos agus cuirfeadh ciorcail timpeall orthu freisin i Léarscáil Suimh Radhaircphointe na Tuláí Móire mar eolas.



Radhaircphointe 1

Breathnallann an léiriú thíos ó radhaircphointe 1 den dearcadh beathaithe soir ó dheas, ón R336 Bothar Mhám go bothar Leenaun, ag na tuirbíní beathaithe mar a shuífidís sa tírdhreach.



Radhaircphointe 11

An léiriú thíos ó radhaircphointe 11 den dearcadh beathaithe ag feachaint ó dheas ar na tuirbíní beathaithe mar a shuífidís sa tírdhreach ó cheantar ginearálta Dhroim Chnámna.



Radhaircphointe 18

Breathnallann an léiriú thíos ó radhaircphointe 18 den dearcadh beathaithe soir ó thuaidh, ó bhóthar L5326 ó nDoirn Beaga, ag na tuirbíní beathaithe mar a shuífidís sa tírdhreach.



Radhaircphointe 23

Breathnallann an léiriú thíos ó radhaircphointe 23 den dearcadh beathaithe siar ó thuaidh ar na tuirbíní atá beathaithe a shuífidís sa tírdhreach ó bhóthar Leam L5328, Droichead Quiet Man.



Déan teagmháil linn

Fáilimid roimh chomhrá, rannpháirtíocht agus idirghníomhaíocht leat maidir le gné ar bith den chaoi a bhfuilimid ag cur togra thionscadal na Tuláí Móire chun cinn. Más mian leat comhrá a dhéanamh faoin tionscadal beathaithe seo déan teagmháil linn trí aon cheann de na modhanna thíos nó freastal ar an oíche eolais phobail atá sonraithe thíos freisin.

Suíomh Críofaí: www.tullaghmorewindfarm.ie
 Riomphost: tullaghmore@empa.group
 Fóir: 01 588 0178
 Scriobh: EMPower, 2 Dublin Landings, Cé an Phoirt Thuaidh, An Duga Thuaidh, Baile Átha Cliath 1

Imeacht Comhairliúcháin Tionscadail na Tuláí Móire:
 Reachtáilfaidh foireann an tionscadail tráthnóna eolais tionscadail in Ostan na **Peacocks ag an Teach Dóite ar an 31/03/2022 áit ar feidir leat **bualach ísteach ag am ar bith idir 4pm agus 7.30pm** chun tionscadal feirme gaoithe na Tuláí Móire atá beathaithe a phlé le ball den foireann dearcadh agus feachaint ar an bhfaoinéis tionscadail is déanaí.**



RECEIVED: 03/11/2023

EMPOWER
2 Dublin Landings, Cé an Phoirt Thuaidh
An Duga Thuaidh, Baile Átha Cliath D01 V4A3
E: info@emp.group
T: +353 (0)1 588 0178



14/03/2022

RECEIVED: 26/01/2023

Maidir le: Feirm Ghaoithe na Tuláí Móire atá beartaithe i mbailte fearainn Dhoire Beag, na Tamhnaí Bige agus na Tuláí Móire i gCo. na Gaillimhe.

A chónaitheoir, a chara,

Mar a cuireadh in iúl trí chomhfhreagras tionscadail agus seimíneáir ghréasáin roimhe seo, táimidne, EMPower, ag fiosrú go gníomhach an poitínseal atá ann deis forbartha feirme gaoithe a bheith ann i gceantar na Tuláí Móire i gContae na Gaillimhe.

Tá an Limistéar Staidéir suite thart ar 9 gciliméadar Siar ó Uachtar Ard agus 6 chiliméadar Soir ón Teach Dóite. Gheobhaidh tú tuilleadh eolais ar an tionscadal beartaithe seo agus ar EMPower ag www.tullagmorewindfarm.ie.

Tá an tionscadal atá beartaithe anois ag céim inar bailíodh agus inar tiomsaíodh sonraí uile an tsuirbhé measúnaithe comhshaoil chun bonn eolais a chur faoi leagan amach deiridh an tionscadail atá beartaithe. Leagtar amach sa Nuachtlír seo forbhreathnú ar an tionscadal atá beartaithe ag céim Leagan Dearaidh a Dó.

Reáchtálfaidh foireann an tionscadail tráthnóna faisnéise faoin tionscadal in Óstán **Peacockes ag an Teach Dóite ar an 31/03/2022 áit ar féidir leat bualadh isteach ag am ar bith idir 4pm agus 7.30pm** chun tionscadal feirme gaoithe na Tuláí Móire atá beartaithe a phlé le baill den fhoireann dearaidh agus féachaint ar an bhfaisnéis tionscadail is déanaí.

Tá tús curtha againn freisin le seomra comhairliúcháin pobail ar líne don tionscadal feirme gaoithe atá beartaithe don Tulach Mhór. Tugann an seomra comhairliúcháin pobail seo an deis duit idirghníomhú le i bhfad níos mó faisnéise tionscadail lena n-áirítear na léirithe amhairc a ullmháidh don tionscadal atá beartaithe. Is féidir leat rochtain a fháil ar an Seomra Comhairliúcháin Pobail ar líne seo ó shuíomh gréasáin an tionscadail www.tullagmorewindfarm.ie

Tá súil againn go leanfaidh na nuashonruithe tionscadail seo, ina leagtar amach faisnéis mhionsonraithe ábhartha ar an bpróiseas dearaidh a rinneadh, ar chuid de na ceisteanna agus na ceisteanna a fuairamar go dtí seo. Sna seachtainí amach romhainn, de réir mar a thiocfaidh an togra dearaidh deiridh chun cinn, cuirfimid aighneacht pleanála tionscadail faoi bhráid Chomhairle Chontae na Gaillimhe. Fógróimid é seo roimh ré i nuachtáin áitiúla agus ar shuíomh gréasáin an tionscadail.

Leanfaimid orainn ag déanamh gach iarrachta lena chinntiú go gcuirfimid an fhaisnéis uile a theastaíonn uait ar fáil duit chun sonraí an tionscadail bheartaithe seo a thuiscint go hiomlán de réir mar a théann sé ar aghaidh.

Cuirimid fáilte roimh an deis aon ghné den tionscadal atá beartaithe a phlé leat agus mar sin déan teagmháil leis an bhFoireann Tionscadail trí úsáid a bhaint as aon cheann de na sonraí teagmhála thíos nó bí linn ag tráthnóna oscailte an tionscadail atá le teacht, má tá aon réimse den tionscadal beartaithe ar mian leat a phlé tuilleadh.

Go raibh maith agat as an am a ghlacadh chun an t-ábhar seo a léamh.

Is mise le meas

Diarmuid Twomey,
Stiúrthóir bainistíochta EMPower

Ríomhphost: tullagmore@emp.group

Suíomh
Gréasáin : www.tullagmorewindfarm.ie

Fón: 01 588 0178

Seoladh poist : EMPower, 2 Dublin Landings, Cé an Phoirt Thuaidh, An Duga

Is ainm trádála cláraithe de chuid EMP Energy Limited é **EMPOWER**, cuideachta phríobháideach theoranta atá cláraithe in Éirinn faoi uimhir chuideachta 630312. **Stiúrthóirí:** Diarmuid Anthony Twomey, Iñigo Sabater Elizaguirre, Ingmar Wilhelm, Vimal Vallabh, Seán mac Cann. **Oifig chláraithe:** 2 Dublin Landings, Cé an Phoirt Thuaidh, An Duga Thuaidh, Baile Átha Cliath D01 V4A3.

Appendix 7a - 20/06/2022 Project Information Newsletter

Proposed Tullaghmore Wind Farm Project

Newsletter No. 4 – June 2022



Dá mb'fhearr leat an t-eolas seo a fheiceáil i nGaeilge, déan teagmháil linn trí aon cheann de na sonraí teagmhála atá liostaithe anseo agus seolfaimid leagan Gaeilge de Nuachtlitr an tionscadail seo chugat.



Looking northeast at the Tullaghmore project Study Area from near Loughanierin along the N59

Introduction

This is the fourth Newsletter distributed for the proposed Tullaghmore wind farm project. The project is now at a stage where all the environmental assessment survey data has been collated in order to inform the Environmental Impact Assessment Report, which will accompany the projects planning application to Galway County Council. This Newsletter sets out an overview of the proposed project's final design.

To supplement the proposed project's design process, we have also compiled a dedicated online Community Consultation Exhibition. This is available at www.innovision.ie/Tullaghmore and includes added design detail on topics such as landscape and visuals, transport and delivery routes and layout maps with added functionality. This can also be accessed from the home page of the project website www.tullaghmorewindfarm.ie.

If there are any areas of the proposed project you wish to discuss further after you have read through this Newsletter and have visited the Virtual Consultation Exhibition, please contact the project team using the contact details on the back page of this Newsletter or from the project website www.tullaghmorewindfarm.ie.



Photomontage view looking east at the proposed Tullaghmore project from Carnwaghariff. Viewing distance is approximately 5.5 kilometres.

The Proposed Project

The Tullaghmore wind farm project proposal includes the following:

- 6 wind turbines with a blade tip height of 185 meters and hub height of 104 meters with all associated foundations and hard standing areas;
- An onsite 38kV substation along with feasibility assessment of an underground grid connection route to the existing 110kV substation in Sreebe;
- Upgrading of existing site access tracks and construction of new site access tracks as required;
- 1 onsite permanent met mast;
- A temporary construction compound and component delivery route from Galway Port via Spidéal and Maam Cross;
- All underground cabling required to connect the on-site substation to each wind turbine.

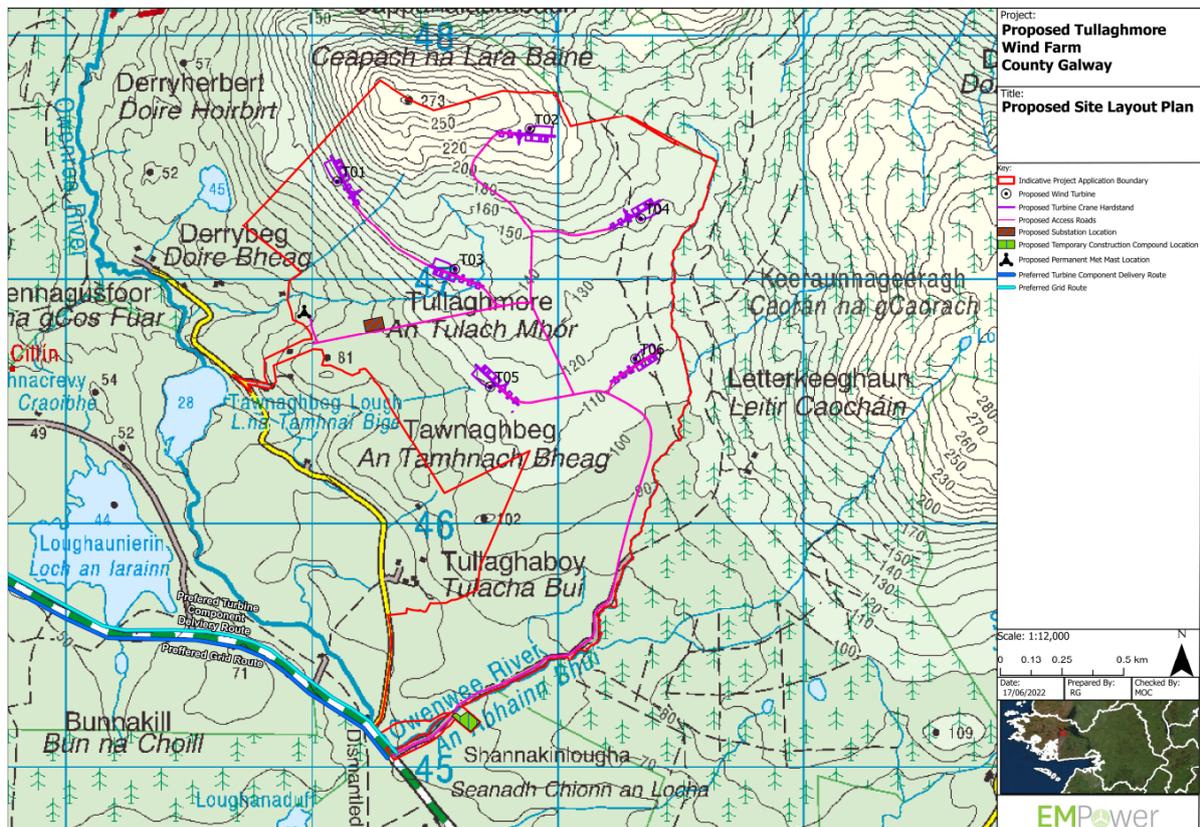
Why This Project?

Suitability of the proposed Tullaghmore project study area can be attributed in part to the following characteristics:

- the proposed project main area is not located within a Natura 2000 site i.e. Special Area of Conservation (SAC) or a Special Protection Area (SPA) nor a Natural Heritage Area (NHA). These areas are present nearby;
- landscape and visual impact assessment indicates the proposed location is suitable for a project of this scale;
- the project has excellent annual average wind speeds and a significant setback from houses can be achieved.

Project Webinar

The project team will host a third Tullaghmore project specific design webinar on Tuesday evening the 12th of July 2022 between 7pm and 8pm. You can register for the event at www.tullaghmorewindfarm.ie/webinar. The Webinar will detail elements of the project's design and members of the project design team will be available to talk through any aspect of the project proposal which you would like to discuss further.



Who Are EMPower.

EMPower is an Irish renewable energy developer with over 700 MW in development in Europe and Africa. Our senior management team comprises five Irish professionals with a combined 95 years' experience delivering projects from conception to operation across five continents. EMPower's headquarters is in Dublin. EMPower is owned by GGE Ireland Limited, Wind Power Invest AVS and EMP Holdings Limited. Our vision is to provide low carbon, ecologically non-invasive, affordable energy to facilitate Ireland's expanding economy and sustainable energy targets.

Our Commitment

Our commitment is to engage meaningfully with our project stakeholders on decisions that concern them. We aim to do this in a timely manner, and we commit to building relationships and starting a conversation on what aspects of this proposed renewable energy project could work best for this local area. We feel that designing any proposed project in this manner makes better social and business sense.



The Planning Process

The Environmental Impact Assessment Report (EIAR) will focus on the areas outlined in this section and will accompany the planning submission. Jennings O'Donovan and Co. have compiled the EIAR with input from expert specialist consultants.

Every project's EIAR is tailored to suit each project's particular aspects but the content of the Tullaghmore EIAR largely aligns with the following chapter structure:

- Chapter 1 Introduction;
- Chapter 2 Site Selection and Alternatives;
- Chapter 3 Description of Proposed Development;
- Chapter 4 Policy;
- Chapter 5 EIA Scoping, Consultation and Key Issues;
- Chapter 6 Air and Climate Change;
- Chapter 7 Noise and Vibration;
- Chapter 8 Biodiversity and Ornithology;
- Chapter 9 Land, Soils and Geology;
- Chapter 10 Hydrology and Water Quality;
- Chapter 11 Population & Human Health & Material Assets;
- Chapter 12 Shadow Flicker;
- Chapter 13 Traffic and Transportation;
- Chapter 14 Archaeology, Architectural and Cultural Heritage;
- Chapter 15 Landscape and Visual Impact;
- Chapter 16 Telecommunications and Aviation;
- Chapter 17 Interactions of the Foregoing.



During the project design and environmental assessment, consultation was carried out with Galway County Council along with a number of other statutory consultees, to discuss the project proposal. The planning application will be supported by the above-mentioned Environmental Impact Assessment Report (EIAR) and a Natura Impact Statement (NIS).

Engagement with local residents and interested stakeholders will continue after the project is submitted to Galway County Council. Our dedicated online Community Consultation Exhibition, available at www.innovation.ie/Tullaghmore, and our dedicated project website will also be continuously updated with relevant project information.

As the EIAR is now largely complete the project is ready to be submitted to Galway County Council for assessment. It is anticipated that the planning application will be submitted in Summer 2022.

The Tullaghmore wind farm planning application will include the following:

- Cover Letter to Galway County Council;
- Planning Application Form;
- Letter(s) of Consent;
- Site Notice;
- Newspaper Notices;
- Pre-Application Consultation;
- Planning drawings and drawing schedule;
- EIA Portal Confirmation Notice;
- Natura Impact Statement.



Notification of the intention to submit a planning application supported by an EIAR will also be sent to the Department of Housing, Planning and Local Government's EIAR portal and the confirmation will be included with the planning submission. All documents and drawings will be available for public viewing from the project website www.tullaghmorewindfarm.ie.

There will also be access to the Tullaghmore planning submission from Galway County Council's own planning portal and you will find details on how to access this by following the below website link: www.galway.ie/en/services/planning/process/intro.

Public submissions and observations on any planning application under Galway County Council's care can be made in writing and submitted by email to planning@galwaycoco.ie, by post to Galway County Council, Aras an Chontae, Prospect Hill, Co. Galway or by submitting observations at the main Council Office's Planning Counter.

Proposed Project Schedule

Proposed Tullaghmore Schedule	2020	2021	2022	2023	2024	2025	2026	2027
Designing Studies	Q1	Q2	Q3	Q4				
Environmental Impact Assessment (EIA)		Q1	Q2	Q3	Q4			
Architectural Consultation		Q1	Q2	Q3	Q4			
Planning/Architectural & Construction		Q1	Q2	Q3	Q4			
Construction Application		Q1	Q2	Q3	Q4			
Construction			Q1	Q2	Q3	Q4		
Plant Installation				Q1	Q2	Q3	Q4	
Plant Operation						Q1	Q2	Q3

Note: Q1, Q2, Q3 and Q4 in the above schedule represent yearly quarters. For example, Q1 represent the first quarter of that year.

Community Benefit

If consented the proposed Tullaghmore wind farm will require an approximate €40 million euro investment and will provide sustainable, low carbon energy generation infrastructure to meet Ireland's growing demand. The development benefits to the local community would include significant investment in local infrastructure and electrical systems, local job creation, and a contribution of approximately €11.4 million¹ in Galway County Council rates over the project's lifetime.

If consented the Tullaghmore wind farm will also provide a community fund calculated in accordance with the Renewable Electricity Support Scheme (RESS) Terms and Conditions at €2 per Mega Watt hour of electricity produced by the project. This is to be made available to the local community for the duration of the RESS (15 years). The average capacity factor of wind energy projects in Ireland is 28.3% (SEAI, 2019). Assuming this efficiency, and an estimated project capacity of 40.8 Mega Watts, the community benefit fund would amount to an average of €202,293 per annum. The actual fund will vary around this average from year to year, depending on each year's wind conditions. Wind measurements at the Study Area suggest that the proposed Tullaghmore project could be capable of achieving an above average capacity factor.

This fund is proposed to be divided as per the illustration below. An annual minimum payment of €1,000 will be provided to each household within 1 kilometer of any proposed Tullaghmore wind turbine. An annual minimum payment of €500 will be provided to each household located between 1 kilometer and 2 kilometers of any final turbine position. 40% of the fund, amounting to approximately €80,917 per year, will be allocated to not-for-profit community enterprises, with an emphasis on low-carbon initiatives. The remainder of the fund will be directed towards local clubs, societies and other initiatives.

EMPower strongly believe that the communities in which we propose our projects should benefit most from any associated fund. We welcome any suggestions from the Tullaghmore community on how this fund could best be allocated or ideas for suitable local projects that could be supported under this initiative.

Tullaghmore Indicative Community Fund Allocation



- Combined Fund for Households <1km distance
- Combined Fund for Households >1km, <2km distance
- Not-for-profit community enterprises
- Fund administration
- Local initiatives, clubs and societies

- 63** Direct jobs in construction phase
- 15** Highly skilled jobs over project lifetime
- € 40 million** Estimated Investment in Irish infrastructure
- € 3 million** Estimated Total Community Fund Contribution
- € 11.4 million¹** Approximate County Council Rates Contribution

1 - Estimated €8,000 per mega watt installed for 15 year project lifetime

Contact Us

We welcome conversation, engagement and interaction with you on any aspect of how we are progressing the Tullaghmore project proposal. If you would like to chat about this proposed project further please contact us via any of the below means.

Website: www.tullaghmorewindfarm.ie
 Email: tullaghmore@emp.group
 Phone: 01 588 0178
 Write: EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1

You will find much more project information in our dedicated online Community Consultation Exhibition available at www.innovation.ie/Tullaghmore, including layout maps, environmental, grid connection and delivery route details. You will also find an interactive photomontage viewer which will provide you with visual representations of what the proposed Tullaghmore wind farm will look like if constructed.

The project team will host a third Tullaghmore project specific design webinar on Tuesday evening the 12th of July 2022 between 7pm and 8pm. You can register for the event at www.tullaghmorewindfarm.ie/webinar.

Dá mb'fhearr leat an t-eolas seo a fheiceáil i nGaeilge, déan teagmháil linn trí aon cheann de na sonraí teagmhála atá liostaithe anseo agus seolfaimid leagan Gaeilge de Nuachtlitr an tionscadail seo chugat.



Appendix 7b – 20/06/2022 Community Information Letter

EMPOWER
2 Dublin Landings, North Wall Quay
North Dock, Dublin D01 V4A3
E: info@emp.group
T: +353 (0)1 588 0178



20/06/2022

Re: Proposed Tullaghmore Wind Farm in the townlands of Derrybeg, Tawnaghbeg and Tullaghmore in Co. Galway

Dear Resident,

As communicated via previous project correspondence, project design webinars and an in-person project event, We, EMPower, are actively exploring the potential for a wind farm development opportunity in the Tullaghmore area of Co. Galway.

The proposed Tullaghmore project's Study Area is located approximately nine kilometres west of Oughterard and six kilometres east of Maam Cross. You will find more information on this proposed project, and on EMPower, at www.tullaghmorewindfarm.ie. Alternatively, please visit the projects dedicated online Community Consultation Exhibition available at www.innovision.ie/Tullaghmore to interact with much more project design information including project layout maps, and visual representations of the final design for the proposed project.

The proposed project is now at a stage where all the environmental assessment survey data is being collated and compiled into the final Environmental Impact Assessment Report. The collation of all this information has informed the final proposed project layout. The enclosed Newsletter sets out an overview of the final project proposal.

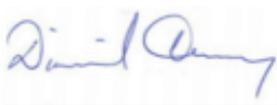
The project team will host a third Tullaghmore project specific design webinar on Tuesday evening the 12th of July 2022 between 7pm and 8pm. You can register for the event at www.tullaghmorewindfarm.ie/webinar. This webinar will detail elements of the project's final design proposal. Members of the project design team will be available to talk through any elements of the project proposal which you would like to discuss further.

We will continue to make every effort to ensure that we provide you with all the information you need to fully understand the details of this proposed project as it progresses.

We welcome the opportunity to talk through the proposed project with you so please do contact the Project Team, using any of the contact details below, if there are any areas of the proposed project you wish to discuss further.

Thank you very much for taking the time to read this correspondence.

Yours Sincerely



Diarmuid Twomey,
EMPower Managing Director

Email :	tullaghmore@emp.group
Website :	www.tullaghmorewindfarm.ie
Phone :	01 588 0178
Write :	EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1.

EMPOWER is a registered trading name of EMP Energy Limited, a private limited company registered in Ireland under company number 630312. **Directors:** Diarmuid Anthony Twomey, Iñigo Sabater Elizaguirre, Ingmar Wilhelm, Vimal Vallabh, Seán mac Cann. **Registered office:** 2 Dublin Landings, North Wall Quay, North Dock, Dublin D01 V4A3.

Appendix 7c – 12/07/2022 Design Webinar

Proposed Tullaghmore Wind Farm Project

Public Consultation Webinar No. 3
Tuesday July 12th 2022

A recording of this Webinar will be made available on www.tullaghmorewindfarm.ie for those who are unable to attend this evening.

We will begin momentarily, just allowing people a few extra minutes to dial in.....

EMPower

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**
Combine EMPower Experience in Renewable Energy

3

Proposed Tullaghmore Wind Farm Project

EMPower

- Company Introduction
- Ireland's Energy Targets
- Study Area Screening
- Project Design Iteration 3
- Question Time
- Environment Impact Assessments
- Question Time
- Conclusion

2

Energy Targets in Ireland

EMPower

Key Metrics	2017	2025 Based on MACC	2030 Based on MACC
Share of Renewable Electricity, %	~30% ¹	52%	80%
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

80% Renewable Electricity by 2030

8.2 GigaWatts Onshore wind by 2030

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

Study Area 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
- Existing Dwellings

Proposed Tullaghmore Project – Design Iteration 3

EMPower

- Proposed Tullaghmore Wind Farm Project
- Proposal for 6 Turbines
- Approx. 40.8 Mega Watts
- Max Blade Tip height of 185m
- 1 Permanent Project Met Mast
- 1 Project Substation
- Temporary Construction Compound
- Biodiversity Enhancement Area
- Enough electricity to power over 24,000 Irish homes¹
- €50 million investment
- Estimated community benefit fund of €202,293 per annum¹

7

JENNINGS O'DONOVAN CONSULTING ENGINEERS

Proposed Tullaghmore Project

EMPower

Tullaghmore Wind Farm – Project Location

EMPower

Proposed Tullaghmore Project – Design Iteration 3

EMPower

Project – Grid Connection Assessment



Community Benefits

Based on 6 Wind Turbines @ 6.8MW capacity per turbine

IWEA Irish Wind Energy Association
RES Renewable Electricity Support Scheme (RESS)
 High Level Design

Tullaghmore Indicative Community Fund Allocation



- Combined Fund for Households: >3km distance
- Combined Fund for Households: >3km, <2km distance
- Not for-profit community enterprises
- Fund administration
- Local initiatives, clubs and societies

- 63** Direct jobs in construction phase
- 15** Highly skilled jobs over project lifetime
- € 50 million** Estimated Investment in Irish infrastructure
- € 3 million** Estimated Total Community Fund Contribution
- € 11.4 million¹** Approximate County Council Rates Contribution

10

Project Schedule

Planning Submission to Galway County Council	Q3 - 2022
Grid Connection Submission	Q1 - 2024
Detailed Project Design	Q4 - 2024
Construction Commences	Q1 - 2026

Proposed Tullaghmore Schedule	2018		2019		2020		2021		2022		2023		2024		2025		2026		2027	
	Q1	Q2	Q3	Q4																
Environmental Studies																				
Grid Connection Submission																				
Planning Submission & Construction																				
Grid Connection Application																				
Detailed Project Design																				
Project Construction																				
Project Operational																				

12

Question Time



13

Environmental Impact Assessment

Hydrology



Ornithology

15

Environmental Impact Assessment

Social Impact

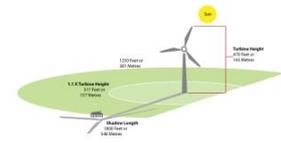


Flora & Fauna

14

Environmental Impact Assessment

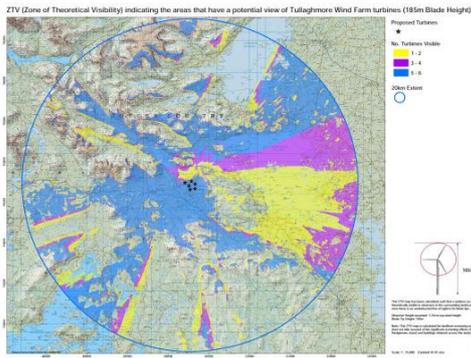
Shadow Flicker



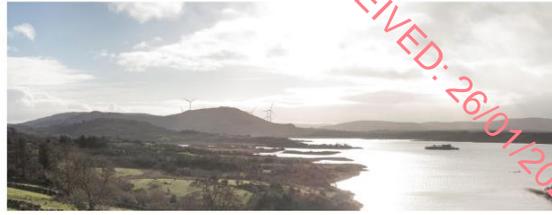
Sound

16

Landscape and Visual Assessment



Landscape and Visual Assessment



VP1 - Photomontage view looking southeast at the proposed Tullaghmore project from the R336 at Breenaun, Maam Valley. Viewing distance is approximately 11 kilometres.

Landscape and Visual Assessment



Landscape and Visual Assessment



VP22 - Photomontage view looking north west at the proposed Tullaghmore project from the N59 at Derrygrinna. The viewing distance is approximately 3.2 kilometres.

Landscape and Visual Assessment



VP18 - Photomontage view looking northeast at the proposed Tullaghmore project from the local road L35266 at Tawnaghbeg/Tullaghmore. The viewing distance is approximately 850 metres.

Question Time



Landscape and Visual Assessment



VP11 - Photomontage view looking south at the proposed Tullaghmore project from the Local Road at Drumsnau and Lough Corrib. The viewing distance is approximately 1.9km

Conclusion

- **Proposed Tullaghmore Wind Farm Project**
 - Proposal for 6 Turbines
 - 40.8 MW
 - 24,000 Irish homes powered
- **Community Fund**
 - €202,293 per year
 - Min €1,000 per year (households <1km)
 - Min €500 per year (households >1km <2km)
- **Next Steps**
 - Final amalgamation of the Environmental Impact Assessment Report
 - Submission of Planning application to Galway County Council in Q3 2022
 - Community Engagement Continues
 - www.innovision.ie/tullaghmore



Please contact us at any stage if you have any further question or suggestions on this project proposal.

Address : EMPower, 2 Dublin Landings, North Wall Quay, North Dock, Dublin 1
 Email : tullaghmore@emp-group.com or info@emp-group.com
 Phone : 01 588 0178

Project website www.tullaghmorewindfarm.ie

