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The Secretary
An Coimisiún Pleanála
64 Marlborough Street
Dublin 1
D01 V902

Re: Objection to the Proposed Tirawley Wind Farm Strategic Infrastructure Development Objection Submission to An Coimisiún Pleanála. Planning permission for the construction of Tirawley Windfarm consisting of 16 no. wind turbines, a permanent 110kV substation, 110kV underground cable and grid connection, and ancillary development in the townlands of Ballymurphy, Ballynaleck, Barnhill Lower & Upper, Barroe, Billoos, Carn, Carrickanass, Carrowmore, Castlelacken Demesne, and other townlands in County Mayo.

Case Number: PAX16.324258

Dear Sir/Madam,

I wish to make a submission regarding the assessment of my home, identified as **H183** within the EIAR for the proposed wind energy development.

My dwelling is located approximately:

- **1.47 km from turbine AT08**
- **1.59 km from turbine AT07**
- **1.81 km from turbine AT09**
- **1.83 km from turbine AT10**

While my home is not the closest receptor assessed within the EIAR, I am concerned about the cumulative impact of multiple turbines surrounding my home and the resulting effect on residential amenity.

Operational Noise

I note that my home H183 has been included within the operational noise assessment as a residential receptor.

This demonstrates that the applicant recognises that operational turbine noise has the potential to affect my home.

I am concerned that the assessment relies primarily on predicted modelling and does not fully reflect the long-term experience of residents living in a quiet rural environment.

Particular consideration should be given to:

- cumulative noise from multiple turbines operating simultaneously;
- night-time impacts when background noise levels are lowest;
- changing wind directions and atmospheric conditions;
- amplitude modulation and fluctuating turbine noise characteristics;
- the overall change from the existing rural sound environment.

While compliance with numerical limits may be predicted, such compliance does not necessarily ensure protection of residential amenity.

Shadow Flicker

My home, H183 has been excluded from detailed shadow flicker assessment, I request clarification regarding the basis for that exclusion and confirmation that no shadow flicker impact can occur at the dwelling.

Where turbine control and shutdown systems are proposed under Section 15.2.9.3 of the EIAR, these measures should be available to protect all potentially affected dwellings and not only those included within the detailed modelling area.

The Draft Revised Wind Energy Development Guidelines (2019) indicate that modern turbine technology can prevent shadow flicker impacts and support a zero-shadow-flicker approach at sensitive residential receptors.

TRAFFIC IMPACT AND STRUCTURAL CONCERNS

My home is located below road level immediately adjacent to the route that may be used by heavy construction vehicles transporting turbine components, machinery and construction materials. I am concerned that the volume and weight of these vehicles will generate significant vibration and ground movements, which could adversely affect my property.

The local road network was not designed for repeated use by abnormal and exceptionally heavy loads associated with a large scale wind farm development.

POLUTION

As a resident with a private well on my property, I am deeply worried about the potential impact that this project could have on the quality and safety of my drinking water.

Construction and operation of the wind farm could potentially release harmful chemicals and pollutants into the groundwater, putting my well and the health of my family at risk. I urge you to reconsider this project and take necessary precautions to prevent water pollution and protect our precious natural resources.

BOGLANDS

I am concerned about the potential damage that the construction and operation of a large-scale turbine could have on my bog ecosystem. My bog is located very close to turbine AT09. Despite this significant impact on my property, no engagement has been made with me regarding access or potential mitigation measures to protect the biodiversity and integrity of my bog.

Cumulative Residential Amenity Impact

My principal concern relates to the cumulative effect of four turbines located between approximately 1.47 km and 1.83 km from my home.

The combined impact of:

- turbine noise;
- visual presence;
- continuous blade movement;
- aviation lighting where applicable;
- and the industrialisation of the surrounding rural landscape,

should be considered together rather than in isolation.

The assessment of residential amenity should take account not only of compliance with individual technical standards but also of the overall effect on those living permanently within the area.

In conclusion, I respectfully submit that the proposed Tirawley Wind Farm project is not appropriate for this location due to the significant negative impacts on residential amenity, local landscape, ecology, infrastructure, and the community. I urge An Coimisiún Pleanála to refuse permission for this development in the interests of proper planning and sustainable development.

Thank you for considering my submission.

Yours faithfully,
Theresa Melody