

31st /12/24
An Bord Pleanála,
64 Marlborough Street,
Rotunda,
Dublin 1,
D01V902

AN BORD PLEANÁLA	
LDG- _____	077081-25
ABP- _____	
06 JAN 2025	
Fee: € 50.00	Type: M/O
Time: _____	By: [Signature]

To whom it may concern,

Subject: Objection to the Proposed Construction of a 110-kilovolt Air-Insulated Switchgear Electrical Substation and Associated Infrastructure at Moyvannan (ABP-319042-24)

I am writing to formally object to the proposed erection of a 110-kilovolt air-insulated switchgear electrical substation, along with an 8,500-square-foot single-story control building and 15-18 ft lattice-type interface masts, on the neighbouring 20-hectare site at Moyvannan (ABP-319042-24) This project raises several grave concerns that necessitate immediate reconsideration.

Health and Environmental Impact

Health Risks to Local Residents: There is increasing evidence that proximity to high-voltage electrical substations can pose health risks, including exposure to electromagnetic fields (EMFs), which are associated with potential long-term health effects. This is particularly alarming given the presence of young families in the area.

Electrochemical Corrosion and Water Contamination: Stray electrical currents from substations can accelerate corrosion in nearby metal structures, including residential plumbing systems. This area is particularly vulnerable to waterlogging and flooding, the corrosion poses a heightened risk of introducing harmful metals into the local water supply. This threat to water quality has serious implications for the health and safety of the community. There is no indication of any flood risk assessments or measures to ensure that floodwaters will be properly managed therefore I'm convinced that proper assessment of the area has not been completed.

Disruption to Natural Habitat: The Egyptian vulture, a species that has been recorded in the area, could face serious disruption to its habitat. This bird is already under threat globally, and its local presence should be protected also it will be an obstruction in the flight line of swans who nest in this area. I have witnessed already swans who frequent the area each year being electrocuted by existing overhead electric wires causing outages and I fear that the substation being planned will obstruct their flight path causing more harm. We also have the Egret which mingles with the life stock on our lands and feel this infrastructure poses a lot of unnecessary harm to nature in our area.

Flooding Concerns: The area is already prone to flooding, and the construction of such a large-scale infrastructure project could exacerbate this issue. Disruption to natural drainage and increased impervious surfaces are likely to lead to worsened flood conditions, threatening both farmland and residential properties. Our land is prone to excess winter flooding already in this area and as a result of the road being

raised already and no provisions being made but promised at the time to put in drainage under the road, pipes were not put in to assist draining causing water logging longer and increasing the flood on our land , anything that contributes to further flooding can have an detrimental impact on our lively hood as family farming as it is our sole income. We have serious concern on this issue and feel that they have not been addressed in the planning .

Impact on the Community

Noise Pollution in a Quiet Farming Community: The proposed substation will emit persistent low-frequency noise, as well as potential sudden noises from operational activities. This is particularly concerning in a quiet farming community, where residents and farm animals alike rely on a peaceful environment. Chronic noise exposure is known to contribute to stress, sleep disturbances, and other health concerns and I would find this noise irritating with preexisting medical concerns this would aspirate the condition.

Farming Community Welfare: This is a predominantly farming area which we are part of , and the welfare of farm animals is a significant concern. The noise pollution and potential disturbance from the construction and operation of the substation could adversely affect livestock and farming activities.

Traffic Disruption: The construction phase, and the operation of the facility thereafter, will lead to significant traffic increases. The current infrastructure does not have sufficient verges on either side of the road to safely accommodate the anticipated traffic flow, posing a hazard to both vehicles and pedestrians. The road its self has numerous dangerous bends hills and hollows and is totally unsuitable for this massive construction work.

Further concerns

Is this substation solely and purposely to accommodate the electricity from the 7 Hills wind farm Ref: ABP-313750-22 which has planning permission for 30yrs ,if in the event of this wind farm not going ahead or at any time in its life span ceases production of electricity will this substation be null and void at the same time and of no further use, {as its sole purpose is to accommodate the wind farm in Dysart } will it returned to its original condition as farming land and what happens to all the underground electricity wires .

Conclusion

The proposed development will have far-reaching and detrimental effects on the health of local residents, the integrity of the natural habitat, and the quality of life in this farming community. It poses significant risks to both the human and animal populations, as well as to the area's infrastructure and environment.

I urge the relevant authorities to reconsider this proposal and explore alternative locations that would have less impact on residential areas, wildlife, and the natural landscape.

Thank you for taking these concerns into consideration. I trust that the welfare of the community and the preservation of our environment will be prioritized in your decision-making process.

Yours sincerely,

Anne & PJ Daly

Rockhill

Kiltoom

Athlone

Co. Roscommon

Signed

PJ Daly

31/14/24

Anne Daly

31/12/24