

**Eileen Kelly,
Carrowkeel,
Dysart,
Co. Roscommon.**

3rd January 2025

**The Secretary,
An Bord Pleanála,
64 Marlborough Street,
Dublin 1 D01 V902**

**Re: SID Application 321238.
110kV 'loop-in loop out' electricity substation and approximately 6.5km of
underground electricity cables Moyvannan, Feamore, Lisbaun, Lissygreaghan,
Gortacoosan, Ballycreggan, Corrantotan, Knocknanool and Ballymullavill Co.
Roscommon.**

To Whom It May Concern:

I am writing to object to the proposed above construction and associate works of electricity substation in **Moyvannan, Feamore, Lisbaun, Lissygreaghan, Gortacoosan, Ballycreggan, Corrantotan, Knocknanool and Ballymullavill Co. Roscommon.**

I have lived at the above address for over 30 years and I am very concerned about the potential environmental, ecological and community impacts of the disturbance this construction will do to our underground water ways, particularly due to its proximity to sensitive areas such as the nearby Loughs, Turloughs and rivers. Turloughs, as you may be aware, are unique and highly sensitive karstic wetland systems that rely on a natural balance of groundwater and surface water. Any construction near these areas, especially large infrastructure projects like an electricity substation, has the potential to disrupt water flows, increase sedimentation, and contaminate the groundwater with pollutants within our community. This could lead to a decline in our water quality and negatively affect species that depend on these ecosystems for survival.

Moreover, the increased risk of flooding due to changes in water drainage or land use from the substation's construction could exacerbate the existing problems. I have personally experienced the effects of flooding near our home due to our local Turlough, Carrownadurly, Dysart, Co. Roscommon (**53° 27 30.6" N8° 12'33.6W**) (**Fig 1 to 7**) which has been subject to abnormal and frequent flooding for years. Previously in the 1990's the turlough flooded as normal for part of the year and receded in the Spring with no concern of threat to our homes or community. From 2014 this flooding has been so extensive that our local road was raised to prevent isolation during flood events (**Fig 8**). Previous to this the turlough would flood as normal and recede as is the normal expectation of turloughs. The flooding of any turlough is a regular occurrence, and these areas play a crucial role in the regional hydrology, biodiversity, and water filtration processes. The clearing of vegetation, disruption of wildlife corridors, and potential contamination of the surrounding land and water systems are significant concerns. Disturbing or altering the flow of water in this delicate environment and the areas where the substation and associate works are proposed near Loughs, Turloughs,

rivers & tributary rivers e.g. Lough Cuilleenirwan, Lough Croan SAC/SPA, River Suck (tributary of River Shannon), river Suck Callows SPA/NHA 004097 Nov.2022, could have severe consequences for the health of the Turloughs, Loughs & rivers and its associated ecosystems. One of these examples happening at the moment and over the past number of years is Lough Funshinagh SAC which is near to the proposed substation site and associated works sites. This is a known flooding disaster reported on National News and Media. https://www.roscommonherald.ie/news/lough-funshinagh-flood-relief-scheme-gets-planning-go-ahead_arid-43882.html

I do not want another Lough Funshinagh in the areas listed above due to disturbance of underground natural waterways which run through the Karst limestone landscape of South Roscommon. This limestone acts as a filtering system and can be contaminated by human actions on the land surface not to mind foundations for a substation, high voltage underground cable and all the other associated works connected to the above power station. Indeed, it is not only the local wildlife and environment that are at risk, but also the safety and well-being of the people living in our vibrant community. The disruption caused by the construction, both during the build and in the long term, could lead to further damage to the local infrastructure, increase flood risks, and reduce the overall resilience of our community to climate change-related events.

I trust that these concerns will be taken into account as part of the decision-making process by An Bord Pleanála.

Thank you for your time and consideration of this important matter. I look forward to hearing from you.

Yours sincerely,

Eileen Kelly

Appendix



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8