

REFERENCE TO MA436 AND MA443 remover Lemanaghan Bog in its entirety from development plan for wind energy. 1. The impact that construction of this scale is going to have on the wild life and their habitat. There are migrant birds that use this bog for 100s of years. Wild geese, whooper swans, cuckoos... birds of prey, theres huge evidence of Owls, Buzzards, Hen Harriers, Kestrels in the area surrounding the bog. Colonies of bats in forestry on edge of site. Huge amount of bat activity on all sides of the bog. 2. The visual impact of a industrial wind farm with (who knows how many?) turbines or the location or height of them It will have a massive negative impact on the view across to the south to the Slieve Bloom mountains from Corr Hill Rashina, Staduff, Kilnagooney, Tumbleagh, Cappalosset, Boher, Athlone Road Ferbane, Ballylin just to name a few. And like wise to the north to Bellair Hill and Rashina from Lemanaghan. 3. The impact that an industrial wind farm is going to have on Lemanaghan as it is a place of natural beauty and is extremely rich in heritage for over 1,400 years. It is a sacred place of great antiquity and it has a long tradition of devotional practice. It is listed as a 'National Heritage Area' on the map of European and National Designated Sites in County Offaly. It has also got a conservation plan which has been disregarded. Its disgusting that Bord na Mona would have such disregard for the local people surrounding the bog. St. Manchan is extremely important to the people of the area. He is to Lemanaghan what St. Ciaran is to Clonmacnoise. Again what gives a company like BNM the right to continue the damage they started? Advertising brown to green? It's a sacred area of peace and calm for local people and visitors from all over the world. That needs to be nourished and looked after. There are few places left that have the tranquility Lemanaghan brings. 4. The impact on peoples health in the area. There have been quite a few studies carried out that wind turbines can have an negative impact on people. There are hundreds of people living in close proximity to the Lemanaghan bog. Why have the buffer distances being changed to 1.5 km for this project (delivery of info packs) comparing to 2km for others??? This sort of thing makes people suspicious about the lack of transparency about the project even at such an early stage! 5. How will a wind farm affect children who are on the autistic spectrum? A new Autistic Spectrum Disorder unit recently opened at a local school within 1.5 km to the bog. I waited over 3 weeks after my zoom call to BNM. EIAR for the proposed Lemanaghan Wind Farm development will include specific chapters on both Population and Human Health and Noise and Vibration which will describe and assess the potential effects of the proposed development on the population and human health of those living in the vicinity of the proposed

development. [https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fesb.ie%2Fdocs%2Fdefault-source%2Fdefault-document-library%2Femf-public-information\\_booklet\\_v9.pdf%3Fsfvrsn%3D0&data=04%7C01%7CKarina.Dennigan%40bnm.ie%7C53ebdd3288a64defaab708d90fd6fe91%7Cd9dbf65ba2654603a52f8cee241dfade%7C0%7C0%7C637558238326063771%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=iC7LE2%2BrnoUatPu7RVa%2F%2BQ66haWgefE%2F3eCLtE9Vxns%3D&reserved=0](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fesb.ie%2Fdocs%2Fdefault-source%2Fdefault-document-library%2Femf-public-information_booklet_v9.pdf%3Fsfvrsn%3D0&data=04%7C01%7CKarina.Dennigan%40bnm.ie%7C53ebdd3288a64defaab708d90fd6fe91%7Cd9dbf65ba2654603a52f8cee241dfade%7C0%7C0%7C637558238326063771%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=iC7LE2%2BrnoUatPu7RVa%2F%2BQ66haWgefE%2F3eCLtE9Vxns%3D&reserved=0) (Ref to ESB emf info booklet) this is to do with emf and nothing to do with infrasound which is known to negatively affect all people. If even one family have to make huge changes to their lives due to infrasound its unacceptable. (There will be more than 1) Infrasound is very real and no amount of insulation or upgrading houses with combat this issue. Emf and infrasound are 2 different issues both of which will have a negative impact on people and wildlife of the area surrounding the bog. The equipment used by companies employed by Bord na Mona to measure infrasound is outdated and does not give a true indication of the effects of infrasound. When I asked BNM about infrasound, I did not fully understand its effects. I was sent a link on emf produced by ESB networks. Electromagnetic frequency is different to Infrasound. Infrasound cannot be heard by hear but it's a low frequency sound that can cause damage to peoples organs. 6. Brown to green? I cant understand how putting tonnes of stone from quarries that are being stripped back and left depleted(there wouldn't be one locally that could supply what this project will need) concrete (again no local company could supply what is needed) 100s lorries burning fuel and machinery burning fuel. I'm worried that the need to build all these wind farms all at once is going to put more pressure and damage to the environment than is necessary. Tonnes of gravel being drawn into new Cloghan wind farm at the minute. It's so shameful and theres nothing green to this act. Jobs 100 + on construction and only 2 local mentioned on Mount Lucas project, on Bord na Mona website. 7.The bog is a natural carbon absorber why cant it be rehabilitated and let to do what nature intended. It needs to be left to regenerate to enable it to do its job. it's going to take 1000s of years to do this at the hands of BNM. It doesnt need kilometres of tracks and road ways going through it. I have discussed this with some neighbours and we would not class this as an amenity that we would need or want on our doorstep. A lot of people are very disappointed and upset with Bord Na Mona. It's been deemed unjust. People are tired and sick of looking at their ads as it's just lies. Are there no other counties in the Midlands prepared to do their part for

renewable energy and the environment? Why are so many being proposed for Offaly? Also with BNM leading the way in wind energy. Will it open the doors to private companies building anywhere in the county. What's to stop private companies when BNM building so many? Private companies (Meewaun Wind Farm and Cloghan Windfarm which has just started ahead of Derrinlough) will BNM sell these lands once they have what they need to make enough profit for their directors and management? Some older farmhouses very close to bog that would be difficult to adapt.... as regards insulation in attics etc...(Not enough space for insulation in roof space)... what affects will construction have on these older houses? Is there a chance of Structural damage to these or any other houses new and old? I have been to other places where windfarms have been built and honestly, it's not like what BNM advertising in the media.. Some are BNM windfarms and some are not. The damage caused locally to quarries is not advertised. The amount of materials taken from the local environment is criminal and so far from being environmentally friendly, but it will be too late when the countryside of Offaly is completely saturated with Windfarms. 8. Being told it's happening whether we like it or not is not something that sits well with me and that came from a public representative. This is intimidation and it doesn't sit well with the local community. I hope that you will take all into consideration when making decisions on the use of this bog as it is an important part of our heritage. There are many options and the community should have a say in what is best for the area. Thank you.