

**(Energy Development)**

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**From:**  
**Sent:** 30 July 2016 00:06  
**To:** National Infrastructure Consents  
**Subject:** Llanbrynmair & Carnedd Wen windfarm determination

Our family have farmed Gelli Gethin for over 200 years. We have been protecting and preserving the land and wildlife here for generations. The proposed pylon route has been poorly planned and whilst it may have been positioned to affect as few of the general public as possible, the route from hub through our farm is mostly across peat upland and peat bogs.

Destruction of this delicate wetland ecosystem will be irreversible. The farm, with 9 of our neighbours, has been involved in a long running conservation project, funded by the National Assembly, and has been visited by Prince Charles, MPs and numerous Assembly Members.

The Imperial College, London, and Bangor University have studied soil hydrology on all 10 farms, looking into soil structure and water retention. Rainfall on this farm has been proven to average Research shows that peat soil can harbour up to 97g water per 100cm<sup>3</sup> soil; extrapolated, **this is equivalent to 24,250 tonnes of water per kilometre** (assuming 25m working width) **which will end up flooding towns further downstream from these hills.**

Of further concern to us is the huge carbon release that will be initiated by soil disturbance as work takes place. We feel that a carbon survey by Imperial College or University of Nottingham is a necessity and will pursue this with all our power.

With regards

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