

Reply to:

Public Offshore Wind Phase Two Consultation

Dear Minister Leo Varadkar and Minister Eamon Ryan,

As student [REDACTED]

[REDACTED] embrace the opportunity to respond to the public offshore wind phase two consultation to provide to the Government my insights in order to support the decision and goals of this energy consultation by setting the right way of managing Irish energy resources and enabling stakeholders a better understanding of what sustainability means for these wind offshore implementations along Ireland.

In the course I am enrolled in at the moment, I am gaining knowledge about renewable energy sources to develop a progressively energy system which does not rely on fossil fuels anymore. Part of this course includes the learning of wind offshore turbines; therefore, I have a good understanding how they work and how to effectively design them. Furthermore, I am capable of providing an accurate and scientific opinion on this consultation proposed. I will happily reply to any question formulated from you to clarify or explain anything related to my response.

Kind Regards

[REDACTED]
[REDACTED] *Dublin City University.*
[REDACTED]

Option A: Deployment Security (Section 5: Options for Discussion)

This option for the phase 2 process, limits the number of applications due the long bureaucracy to follow since they need the MAC (Maritime Area Consent) from MARA (Maritime Area Regulatory Authority) and the approval from ABP (An Bord Pleanála) as well as following the requirements of EirGrid's roadmap and the DECC (Department of Environment, Climate and Communication) for guaranteeing the deployment security of this strategy. This can pose time consuming and economic costs for all the parties involved, but mainly for those who proposed the projects. Also, after doing all this process including technical assessment, there might exist a risk that the project is not suitable for the goal expected.

Section 6: Hybrid Grid Connections

The possibility to implement other renewable energy systems near by the wind offshore plants, should be taken in consideration for the applicants since wind turbines can cause problems of intermittency due days without wind. In the consultation it is not clear how this can be approached, to ease applicants other supporting options. In my opinion, the installation of tidal energy systems would be an idea to implement close by the turbines due the difference on the tides that Ireland has, always accomplishing the MAC and DMAP (Designated Maritime Area Plan). I have thought about this option of energy source since they can be connected to the same grid nodes.