

UNIVERSITY COLLEGE CORK

WIND ENERGY

Kilgarvan Wind Farm Visit 28-10-2015

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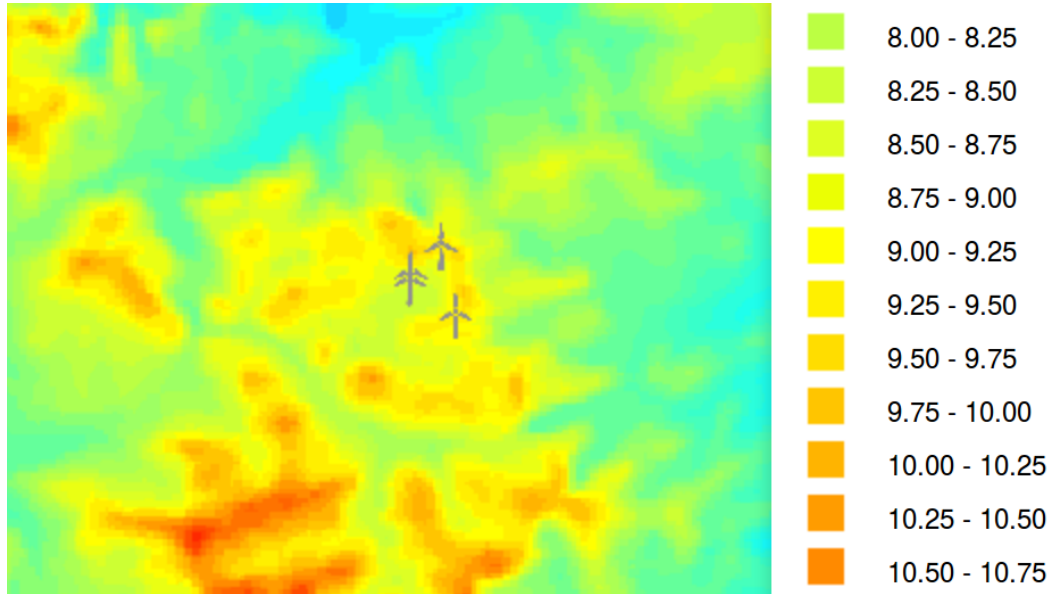
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1 Site Description

Kilgarvan wind farm is in Area, Co. Kerry. In the area, there is a cluster of five wind farms. This group of wind farms have been built over the last 10 years.

According to the SEAI wind map, the Kilgarvan area has a strong wind resource.



Wind speed at 75m - SEAI Wind Atlas - Kilgarvan Area

According to the SEAI Wind Atlas [1], the area has average wind speeds at 75m of 8 - 10 ms⁻¹

1.1 Access Route

Access to Kilgarvan windfarm is off the Nxxx.

The first bit of electricity infrastructure visible is an Eirgrid/ESB operated substation just off the main road. This substation connects directly to the 110kV grid.

The wind farms are situated on the western side of the XXX mountain/hills. An access road winds from the Nxxx to the site. The road passes through both rocky and bog areas. Some cutting away of bog and rock was necessary to build the road. The road has a gentle incline and wide turns. Turbines were transported to the site in large sections on this road so it has a gentle incline and wide turns.

The area on the lee side of the hills is forested. Although the land is owned by the wind farm operator, Brookfield, the forestry is managed by Caoilte.

2 Technology Description

2.1 Electrical Grid

3 Operations and Conditions

3.1 A day in the life of a wind farmer

3.2 The day we visited

4 Conclusion

Wind farming is a business. Successful, large companies investing in it.

References

- [1] *Wind Mapping System*. URL: <http://maps.seai.ie/wind/> (visited on 10/30/2015).