

WES-2024-6: Load assessment of a wind farm considering negative and positive yaw misalignment for wake steering

Author's Response to the Reviewers, revision 2

Reviewer 1

Reviewer Point P 1.1 — The authors have satisfactorily addressed my comments.

My last minor concern is that the aerodynamics roughness of 0.75m is very large and may result in unrealistic boundary layer features. I understand that this is not the main point of the work, and the authors tried to achieve a certain shear in the mean velocity profile, which may be fine for the scope of the work. My suggestion is to include the justification provided in the replies in the text to clarify the point in the paper narrative.

Reply: We have added a few sentences explaining the choice of the 0.75 m aerodynamic surface roughness, following the text provided in the prior reply to the reviewers.

We thank the reviewer once again for his/her thorough review and for raising points that have only improved the manuscript.

A differences file is provided. The text went through professional copy-editing and lots of very small corrections in grammar and English use have been made. The main part added is on page 7 of the diff file.