

Review of the paper “An Actuator Sector Model for Wind Power Applications: A Parametric Study (Revised version 1)”.

Submitted to *Wind Energy Science*

October 16, 2023

Recommendation: Accept with minor revision.

Summary:

I would like to express my gratitude to the authors for their comprehensive response to the comments and for including more detailed explanations in their manuscript. The enhanced discussions, particularly regarding the new Position Approach, have greatly improved the clarity compared to the initial submission. Furthermore, the inclusion of additional details concerning the Tip/Smearing Correction Method has been presented effectively.

In conclusion, I believe the paper is on the right track and can be recommended for publication, pending some minor revisions.

Minor concerns:

- **(1)** I appreciate the author’s effort to incorporate a table in response to my previous comment #2. Positioning it in the appendix is appropriate. However, I found the format, which lists individual cases for each figure, to be unconventional for a scientific manuscript. I recommend consolidating the information into a single, comprehensive table that encompasses all the cases, rather than presenting them in separate tables.

References