

Comments to wes-2026-102

General comments

This paper discusses an upgrade to an existing load estimation model that leverages NN fine-tune corrective terms in a Kalman filter architecture. The paper is short but well written and can be published after minor revisions.

In general, it would be interesting to show the model performance using the using the baseline BC without any NN training (those in Fig. 3). Please add a “Baseline BC” column to the tables in the results.

Second, the fact the results are shown in terms of the bending moment that are also part of the input may suggest significant data leak. It would be more rigorous to show the displacements (aka, the state vector), and if those are not available the manuscript should discuss the data leak problem.

Also, please discuss the increase in RMSE seen in some cases and elucidate why it is associated with a decrease in DEL errors.

Specific comments

- Missing DOI in Vettori et al.
- L263: “Maintaining an RMSE of 5%” is not correct, since the RMSE increases compared to the 4% baseline.
- Figures 5, 6, 7: the M_{TB} panels are missing the estimate without the BL, please add it for completeness.
- Figures 4, 5, 6, 7: specify time zone on time axis.
- L290: Clarify how the hybrid model switches between the two approaches and based on shear.
- L293: It is unclear why the present results suggest that separated training would improve performance, please clarify or remove.
- L299: The text suggests a wind ramp (“wind speed increases”) but these look more like slow fluctuations. Also, the increase in shear is not evident, so please revise.
- L 315: More correctly, 14%-24%.