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Interactive comment on "Probabilistic forecasting of wind power production losses in cold climates: A case study" *by* Jennie P. Söderman et al.

Anonymous Referee #1

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Yes you are of course correct in that the ENS also improves the estimate. When I wrote that I was thinking of the Ensemble mean approach (EM), which did give slightly poorer results in Table 1 for production loss.

Yes about the MVD and LWC, the comment was less about a true "validation" of the parameters, but more a discussion of how they vary across the different ensembles. It is my understanding that the spread (Eq. 4) does not require any observed data, and therefore you could use it to discuss how much these terms vary say compared to their mean value. I think this is important as these terms are key to the icing model, so it is important to understand how much they vary in the different ensemble approaches you apply. Perhaps even just a simple standard deviation of the ensemble members could be used to investigate this.

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Discussion paper

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