Review for: Wind Energy Science
Manuscript Number: wes-2019-82 Rev 2
Title: Operational-Based Annual Energy Production Uncertainty: Are its Components Actually Uncorrelated??

August 4, 2020

1 General Comments

The authors have further clarified the methods used and responded well to reviewer comments. To my own comments, the piece around the MC procedure being used for quantification of individual uncertainty component contributions is valid and better explained. Eq. 7 is a good definition for a calculation of uncertainty including correlation.

However, I may be missing something, but §3.2 still seems wrong to me. Fig 6 caption clearly states the R_{ij} are being computed from the MC results; the text first sentence doesn't mention MC though, so here is where maybe I'm not understanding the method implemented. If in fact it's the later implication in the text, that operational data for each of the 472 plant samples is used to compute R_{ij}, great! Then the rest of the paper is fine. However, as stated in my previous review comments, the MC procedure presented can't be used to assess R_{ij}, and the rest of the paper isn't supported by the methods.

So, I hope it's simply that Fig 6 caption is wrong, and as the authors outlined in their response theR_{ij} in §3.2 is completely independent of the MC process. In that case, I'm happy. Otherwise, this needs another look.