

Wind Energ. Sci. Discuss., author comment AC2
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Reply on RC1

Charles Tripp et al.

Author comment on "A simplified, efficient approach to hybrid wind and solar plant site optimization" by Charles Tripp et al., Wind Energ. Sci. Discuss.,
<https://doi.org/10.5194/wes-2021-54-AC2>, 2021

We have made the following improvements to the manuscript as outlined in our previous response:

- We have clarified our rationale for using AEP at the end of Section 3.2, Objective Design
- We have clarified our rationale for using the mix of solar and wind capacities to Section 3.2. This capacity mix yields an approximate AEP balance between solar and wind at the high correlation location
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We discussed our of choice of correlation coefficients and site selection process in the first paragraph of Section 4.

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We explained how interior solar can sometimes be better than southern solar placements to the second paragraph of Section 3.1.

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We have added a discussion of the impacts of wind and solar capacity ratios on site layout solutions to Section 4.2 and added Figure 9, showing solutions for various solar-to-wind capacity ratios.

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We have added Table 3 which lists the performance statistics (solar and wind AEP's, losses) for each solution in Figures 5-8. This table allows the reader to more deeply explore the relative contributions of wind and solar to AEP for each layout.

Thank you once again for your careful review and insightful suggestions.