

Interactive comment on “Future Economic Perspective and Potential Revenue of Non-Subsidized Wind Turbines in Germany” by Lucas Blickwedel et al.

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Thank you for your very helpful review.

As for the conclusion, it is agreed that this part is not given enough attention in the current version of the publication. The revised version will contain a more extensive conclusion (Section 3.3) and also discussion regarding the LROE concept.

During this paper it was intended to present and discuss the given model with a first sensitivity study towards emission prices and a brief case study. For this purpose, two simple expansion scenarios have been used where Scenario A only depicts expansion

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in accordance with the targets of the renewable energy act and therefore is solely theoretical. Scenario B was given by entso-e results and might be possible to happen in reality. Anyhow, a broadened scenario analysis with further expansion possibilities would not fit the scope of this paper, but rather have the potential for another interesting investigation and downstream application of the given model.

By handling neighboring countries as calculatory power plants within the merit order approach it is indeed possible to display the case that a neighboring country is demanding. This is described in Section 2.5 alongside Figure 3. The revised version of this paper will include some more expansions at this section to enhance comprehensibility.

During the time of this papers emergence there was simply no data for the sole German market available for an entire year (2019). Application on the separated market is intended for future works.

Hardly any existing literature on the concept of LROE was found, except for one forum article which will be cited in the revised version of the paper. Please let us know if and where there is additional scientific literature about this topic that the authors are not aware of.

The CO₂ price for Figure 7a is at 18 €/t. This information was indeed missing and will be added. Thank you for the notification.

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