

Interactive comment on “Optimal scheduling of the next preventive maintenance activity for a wind farm” by Quanjiang Yu et al.

Quanjiang Yu et al.

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Comment 1: Mobilization costs could be a better fit than set-up costs Response 1: Yes, I have already changed ‘set-up costs’ to ‘mobilization costs’.

Comment 2: Define CM as corrective maintenance in line 13 instead of line 27 Response 2: Yes, I am changing ‘Among other things, this analysis reveals a dramatic cost reduction achieved by the NextPM model as compared to the pure CM strategy.’ to ‘Among other things, this analysis reveals a dramatic cost reduction achieved by the NextPM model as compared to the pure corrective maintenance (CM) strategy.’

Comment 3: Define OM as opportunistic maintenance in line 38 instead of line 85 Response 3: Yes, I am changing ‘The article Sarker and Faiz (2016) looks at opportunistic

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maintenance which is a special kind of preventive maintenance.’ to ‘The article Sarker and Faiz (2016) looks at opportunistic maintenance (OM) which is a special kind of preventive maintenance.’

Comment 4: Maybe state that Ziegler et al. (2018) is about Lifetime extension of onshore wind turbines
Response 4: Yes, I am changing ‘The lifetime of the wind turbine is assumed to be 20 years, which is the typical case in the industry now, according to Ziegler et al. (2018).’ to ‘The lifetime of the wind turbine is assumed to be 20 years, which is a typical life length for onshore wind farms, according to Ziegler et al. (2018).’

Comment 5: I would prefer an equally sized left panel in comparison to the right panel
Response 5: Yes, now they are equally sized.

Comment 6: Could you refer to a source for the mobilization costs in line 226?
Response 6: I have added a source for the mobilization costs. Attached is the updated version of case study 2.

Please also note the supplement to this comment:

<https://wes.copernicus.org/preprints/wes-2020-129/wes-2020-129-AC2-supplement.pdf>

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2020-129>, 2020.

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