

Interactive comment on “Subsea cable management: Failure trending for offshore wind” by Charlotte Strang-Moran

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Hi Daniel, thank you for your comment on Wind Energy Science discussion forum.

Please see below, my responses regarding:

Line 49- Thank you, I will update this

Line 171- The wind farms included in the trend analysis cover a range of installation years, and therefore a mix of support mechanisms (power price + ROC's; and CfD's). For the purpose of this report the LCoE was the most fitting in terms of simplistic estimations of lost generation. This being said, using installation year LCOE based on industry cost reduction profile can understate the value of lost generation for some operating wind farms, and therefore the results can be used as a suggested base line

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rather than an accurate hindcast.

Section 4.3 - Installation does account for transport and storage of cables, thank you for your input on this topic. Unfortunately, due to our collated data at this current point in time, we saw it better to categorise in one failure mode of installation. As more data is collated, it would be an excellent next step to include storage and transport as separate modes.

Line 220 - 2-3m burial depth is indeed the top end of depth. From engagement with stakeholders from the installation phase, it was concluded that cable can be buried under the seabed up to 3m below the surface (as the top end depth), however 2m is the expected top end depth for many assets. This perhaps isn't demonstrated correctly with my choice of wording, and I am happy to update the paper to ensure clarity.

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2020-56>, 2020.