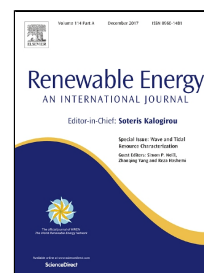


Accepted Manuscript

Effects of Contamination and Erosion at the Leading Edge of Blade Tip Airfoils on the Annual Energy Production of Wind Turbines

Woobeom Han, Jonghwa Kim, Bumsuk Kim



PII: S0960-1481(17)30864-9
DOI: 10.1016/j.renene.2017.09.002
Reference: RENE 9200
To appear in: *Renewable Energy*
Received Date: 27 July 2016
Revised Date: 02 May 2017
Accepted Date: 02 September 2017

Please cite this article as: Woobeom Han, Jonghwa Kim, Bumsuk Kim, Effects of Contamination and Erosion at the Leading Edge of Blade Tip Airfoils on the Annual Energy Production of Wind Turbines, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.09.002

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Highlights

- The effects of leading edge damage on the performance of wind turbines were examined.
- The L.E damage reduces the aerodynamic coefficients and the power output of the blade.
- Contamination and erosion conditions reduced AEP by 2%–3.7%.

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