

Dear Sheona,

**Minimum transmission capacity requirements in the
Security and Quality of Supply Standard
- Impact Assessment and Consultation
- RenewableUK consultation response**

RenewableUK is the trade and professional body for the UK wind and marine renewables industries. Formed in 1978, and with over 660 corporate members, RenewableUK is the leading renewable energy trade association in the UK, representing the large majority of the UK's wind, wave, and tidal energy companies.

We have one question response and one general comment.

CHAPTER: Three

Question1: Do respondents support the proposed dual criteria approach?

The proposals are complex, however we would expect them to produce a more optimum level of transmission investment as the methodology takes account of lower load factors (e.g. from wind generation and peaking plant). Given the complexity of the proposals, we await the modelling results from Redpoint under TransmiT before we can form a clear and agreed view on the proposals.

GENERAL- Wind generation at peak demand:

We note the observation (reflected in the Demand Security Factor of 0 for wind) that from a GB transmission network perspective, wind provides low/zero contribution at peak transmission demand. Whether the correct number is 0% or some other small number is not hugely pertinent. We note that this low/zero factor has caused some discussion in the industry and therefore have added this comment to the consultation response. We would expect the highest peak demand for electricity in GB to be when it is cold and windy (a rarer

event than cold and still). Because of embedded wind generation, the peak demand seen by the transmission system is however reduced at these cold and windy times, and so the peak demands on the transmission system appear to be during cold and still periods. At the moment this observation is based on largely anecdotal evidence but it may go some way to explaining some of the differing views on the performance of wind generation during demand peaks.

Yours sincerely,

A handwritten signature in dark ink, consisting of a series of fluid, overlapping loops and strokes, positioned above the name of the sender.

Guy Nicholson, Head of Grid for RenewableUK